

**AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**HAZARDOUS WASTE INCINERATORS
AGENCY INTEREST NO.: 87883
HEXION SPECIALTY CHEMICALS INC.
NORCO, ST. CHARLES PARISH, LOUISIANA**

I. Background

Hexion Specialty Chemicals Inc. owns and operates a chemical manufacturing facility in Norco. Shell Chemical owned and operated the facility until Resolution Performance Products LLC bought the facility. On May 31, 2005, Resolution Performance Products LLC merged with Borden Chemical, Inc. Borden Chemical, Inc. is the surviving entity; however, the name of the merged company changed to Hexion Specialty Chemicals, Inc.

The Hazardous Waste Incinerators currently operate under Part 70 Permit No. 2252-V0 issued April 11, 1997.

II. Origin

Shell Chemical Company submitted an application and Emission Inventory Questionnaire (EIQ) for the Hazardous Waste Incinerator dated March 15, 1999, requesting a Part 70 permit modification. Resolution Performance Products LLC submitted a notice dated April 4, 2002, changing the March 15, 1999, application to a Part 70 renewal. Resolution Performance Products submitted an updated application dated September 20, 2004, as well as additional information dated September 13, 2006, and October 5, 2006.

III. Description

The Hexion Facility consists of several units including the Crude Epichlorohydrin Unit (C-Unit), Calcium Chloride (CaCl_2) Unit, the High Performance Resins Unit (HPRU), elevated flare, and two organic chloride incinerators.

The chemicals manufactured at the Norco Facility include: Allyl Chloride (AC), Crude Epichlorohydrin (ECH), Hydrochloric Acid (HCl) solution, CaCl_2 slurry, and epoxy resins and related products. Primary raw materials used include propylene, chlorine, caustic, and lime.

The two organic chloride incinerators, NCIN-1 and NCIN-2, generally operate at the same time. The incinerators have two distinct pollution control functions.

One of the functions of the incinerators is to combust liquids that are classified as hazardous waste under the Resource Conservation and Recovery Act (RCRA). The general make up of the liquid wastes are volatile, richly chlorinated organics. Operation of the incinerators while combusting liquid hazardous wastes is regulated under the Hazardous Waste Combustor MACT (40 CFR 63 Subpart EEE). Among other

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requirements, the incinerators must meet an organic constituent Destruction and Removal Efficiency (DRE) of 99.99%.

The second function of the incinerators is to combust vapor streams from process vents and tanks. Vapors from tank and process operations are composed of volatile chlorinated organics and inert nitrogen. Many of the process vent streams routed to the incinerators are regulated under the Hazardous Organic NESHAP (HON) [40 CFR 63 Subparts F, G, and H], and/or a New Source Performance Standard (NSPS) [40 CFR 60], which is subsumed by the HON.

A description of the organic chloride incinerator systems is as follows:

Combustion Chamber

The combustion chambers of each incinerator are identical. Feed is injected through six parallel atomization nozzles (with steam) into a single wide turndown ratio natural gas burner ignited by a premixed pilot burner. Steam injection into the firebox will be utilized to control combustion temperature. Process, loading, and tank vent gases are introduced into the combustion chamber through gas nozzles. The firebox (combustion chamber) of each incinerator is constructed of carbon steel lined with firebrick. The inside dimensions of each rectangular firebox are 9 ft.-5 in. high by 8 ft. - 5 in. wide by 30 ft. long. The resulting cross-sectional area is 70 ft². The total volume of each firebox is 2,378 ft³. Startup and shutdown of the incinerator is fueled with natural gas.

Combustion chamber exit temperature is the primary control parameter. A thermocouple in the exit flue gas adjusts either the natural gas to the primary burner or the excess air to the firebox to control temperature above 1600 °F. Normally, the combustion chamber will operate at the minimum natural gas rate and temperature adjustments will be made by varying the amount of cooling air admitted to the firebox concentrically around the natural gas burner or by steam injection.

Continuous Emission Monitors (CEMS) monitor flue gas O₂, and CO concentration exiting the stack. By operating the incinerator with minimum excess oxygen and less than 100 ppmv CO in the flue gas, good combustion efficiency is assured.

Waste Heat Boiler

Flue gases exiting the combustion chamber enter a waste heat recovery boiler before entering acid recovery equipment. Acid recovery equipment is similar but not identical on the two incinerators.

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NCIN-1 Acid Recovery

NCIN-1 acid recovery equipment consists of a quench chamber equipped with two (2) spray nozzles using scrubber bottoms acid and fresh makeup water to reduce flue gas temperature to approximately 185 °F. Flue gas exiting the quench chamber vents to an acid recovery scrubber equipped with two packed sections. The upper section is scrubbed with water and the bottom section uses recirculated scrubber bottoms acid as the scrubbing medium. A stream of acid is removed from the recirculation loop and pumped to storage.

Gases from the acid recovery scrubber flow to a packed caustic scrubber containing interlox saddles and using a circulating stream of caustic-sodium thiosulfate solution for HCl and Cl reduction. The scrubbing media is maintained basic with automatic pH control. Gases exit the final scrubber through a knock out pot before entering the induced draft fan.

The Induced Draft (ID) fan maintains the combustion zone and upstream combustion gas treatment components under vacuum. The ID fan also provides combustion air for the firing of auxiliary fuel introduced through the burners, steam atomized liquid wastes introduced through nozzles into the firebox, and vapor vents introduced through nozzles into the firebox.

Downstream of the ID fan of each system is a catalytic oxidation (CATOX) process that operates at positive pressure and is designed to control chlorinated PCDD/PCDF emissions.

NCIN-2 Acid Recovery

Flue gases exiting the waste heat boiler enter a quench chamber equipped with two (2) spray nozzles using scrubber bottoms acid and fresh makeup water to reduce flue gas temperature to a nominal 185 °F. Gases flow from the quench chamber to an acid absorber consisting of two packed sections. Gases are scrubbed by counter-current contact with fresh water in the upper section and recirculated bottoms acid in the lower section. A stream of recirculated hydrochloric acid is pumped to storage.

Scrubbed gases enter a packed caustic scrubber where they are scrubbed with a pH controlled caustic solution. Next, the scrubbed gases pass through a dehumidifier, which condenses the major portion of water vapor using a caustic solution and recycled caustic solution from the caustic scrubber. Gases leaving the dehumidifier flow through a knock out pot before entering the induced draft fan.

The Induced Draft (ID) fan maintains the combustion zone and upstream combustion gas treatment components under vacuum. The ID fan also provides combustion air for the firing of auxiliary fuel introduced through the burners, steam atomized liquid wastes

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introduced through nozzles into the firebox, and vapor vents introduced through nozzles into the firebox.

Downstream of the ID fan of each system is a catalytic oxidation (CATOX) process that operates at positive pressure and is designed to control chlorinated PCDD/PCDF emissions.

CATOX Systems

Combustion gas leaving the induced draft fan in each system enters a steam pre-heater to raise the gas temperature to an unsaturated condition and eliminate water droplets. The combustion gas then enters a plate-and-frame exchanger that heats the combustion gas by exchanging heat with the catalyst module exit gas (gas-to-gas interchanger). Following the heat exchanger in each system is a steam coil post-heater to heat the combustion gas to the catalyst module to a minimum operating temperature of 330 °F. The heated combustion gas enters the catalyst module where PCDD/PCDF oxidation takes place. After exiting the catalytic module and before entering the stack, the combustion gas is cooled to approximately 200 °F through the heat exchanger (the gas-to-gas interchanger previously described) to conserve steam usage.

Although the combustion zones and the CATOX catalyst weights of both incinerators are identical, NCIN-2 operates at a combustion gas flow approximately 20% less than the NCIN-1 flow.

Emergency Bypass Scrubber

An infrequent mode of operation deals with a total trip of one or both of the incineration systems. In such an instance, the Automatic Waste Feed Cutoff (AWFCO) is actuated and liquid waste feeds to the incinerator are immediately halted. During periods of incineration shutdown, an Emergency Bypass Scrubber is used as a secondary control mechanism to manage the vent streams. This scrubber is only utilized when both incinerators are down. If only one incinerator trips while the other incinerator continues to operate, then the vents that were being routed to the incinerator that trips are immediately diverted to the operating incinerator. During an incinerator trip when only one incinerator is operating, or when both incinerators trip simultaneously, vents are bypassed from the incinerator(s) to this scrubber until one of the incinerators can be restarted. The bypass scrubber uses a water scrubbing solution, which is intended to primarily control HCl emissions. The Emergency Bypass Scrubber has not been previously listed as a source in the Title V permit because it operates so infrequently. This scrubber will be permitted to operate a maximum of 10 hr/yr.

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Hexion Specialty proposes to make the following changes:

1. Incorporate 40 CFR 63 Subpart EEE - Hazardous Waste Combustion MACT requirements.
2. Incorporate Comprehensive Performance Test (CPT) results.
3. Incorporate projects approved by Authorizations to Construct.
4. Add the Incinerator Area Wastewater Fugitive Emissions, Emission Point No. 197.
5. Add the Emergency Bypass Scrubber, Emission Point No. 198.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	19.88	13.67	- 6.21
SO ₂	0.02	0.28	+ 0.26
NO _X	39.16	27.86	- 11.30
CO	30.84	46.74	+15.90
VOC*	15.18	21.60	+ 6.42

***VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs) in tons per year:**

Pollutant	Before	After	Change
1,2-Dichloroethane	<0.01	0.001	+0.001
1,2-Dichloropropane	1.95	2.001	+0.051
1,3-Butadiene	-	<0.001	-
1,3-Dichloropropene	3.69	3.325	-0.365
1,4-Dioxane	-	<0.001	-
4,4'-Methylenebisbenzeneamine	-	0.105	+0.105
Acrolein	-	0.020	+0.020
Acrylic Acid	-	<0.001	-
Acrylonitrile	-	<0.001	-

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***VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs) in tons per year:**

Pollutant	Before	After	Change
Allyl chloride	1.00	2.875	+1.875
Benzene	<0.01	0.013	+0.013
Bromoform	-	0.040	+0.040
Carbon disulfide	-	<0.001	-
Carbon tetrachloride	-	0.008	+0.008
Chlorinated dibenzo-p-dioxins	<0.001	<0.001	-
Chlorinated dibenzofurans	<0.001	<0.001	-
Chlorobenzene	-	0.016	+0.016
Chloroethane	-	0.086	+0.086
Chloroform	-	0.024	+0.024
Cresol	-	0.099	+0.099
Epichlorohydrin	3.11	0.411	-2.699
Ethyl benzene	-	0.013	+0.013
Ethylene glycol	-	0.068	+0.068
Formaldehyde	-	0.032	+0.032
Glycol ethers	-	0.022	+0.022
Hydrogen cyanide	-	<0.001	-
Hydroquinone	-	<0.001	-
Methanol	-	<0.001	-
Methyl chloride	-	0.006	+0.006
Methyl ethyl ketone	0.02	0.061	+0.041
Methyl isobutyl ketone	<0.01	0.046	+0.046
Phenol	-	0.099	+0.099
Styrene	-	0.003	+0.003
Tetrachloroethylene	-	0.002	+0.002
Toluene	<0.01	0.261	+0.261
Triethyl amine	-	<0.001	-
Xylene	<0.01	0.040	+0.040
n-Hexane	-	0.012	+0.012

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*VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs) in tons per year:

Pollutant	Before	After	Change
n-butyl alcohol	-	0.081	+0.081
Total	9.77	9.770	-

NON-VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Antimony	1.64	0.048	-1.592
Arsenic	0.02	0.021	+0.001
Barium	0.32	0.338	+0.018
Beryllium	0.02	0.032	+0.012
Cadmium	0.04	0.016	-0.024
Chlorine	63.38	16.028	-47.352
Chromium	0.004	0.016	+0.012
Cobalt	-	<0.001	-
Copper	0.08	0.024	-0.056
Dichloromethane	-	0.022	+0.022
Hydrochloric acid	4.16	32.240	+28.08
Lead	-	0.029	+0.029
Manganese	0.04	0.077	+0.037
Mercury	0.02	0.052	+0.032
Nickel	0.20	0.065	-0.135
Selenium	0.16	0.005	-0.155
Zinc	0.34	0.101	-0.239
Total Non-VOC TAPs	70.424	49.112	-21.312

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration does not apply.

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This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III. Chapter 51. Air Toxic Compliance Plan No. 92119 was approved on January 8, 1996 by LADEQ. Under the consolidated fugitive emission program the facility shall comply with the requirements of 40 CFR 63, Subpart H – National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2006; and in the <local paper>, <local town>, on <date>, 2006. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model(s) Used: N/A

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Air Quality Standard (NAAQS)

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VIII. General Condition XVII Activities

Activity ID No.	Activity	Frequency of Activity
01-GCXVII	Sampling Activities	6 samples/day
02-GCXVII	Maintenance Activities	27 events/yr
03-GCXVII	Equipment Preparation	175 events/yr

Activity ID No.	Total Annual Emissions in Tons					
	PM ₁₀	SO ₂	NO _x	CO	VOC	Other
01-GCXVII	-	-	-	-	-	0.03 ¹
02-GCXVII	0.11	-	-	-	-	-
03-GCXVII	-	-	-	-	0.01	-

¹Hydrochloric Acid

IX. Insignificant Activities

ID No.:	Description	Max Rate or Tank Capacity	Citation
T-U553	Sodium Thiosulfate Tank	2,000 gallons	LAC 33:III.501.B.5.A.4
T-I101	Sodium Thiosulfate Tank	5,000 gallons	LAC 33:III.501.B.5.A.4
Facility	Empty product storage containers are water washed to remove residual amounts of material remaining	55 gal. or less	LAC 33:III.501.B.5.A.7
Facility	Detergent tanks	N/A	LAC 33:III.501.B.5.A.10

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																	
		5▲	9	11	13	15	2103	2104*	2107	2111	2113	2115	2121	22	29*	51*	52	56	59*
GRP 15	Hazardous Waste Incinerators	1	1	1	1						1				1	1	1	1	1
EQT 146	173 Hazardous Waste Incinerator NCIN-1 (Organic Chloride)																		
EQT 147	174 Hazardous Waste Incinerator NCIN-2 (Organic Chloride)																		
EQT 148	198 Emergency Bypass Scrubber																		
FUG 13	196 Fugitives – Hazardous Waste Incinerators													2	1	1			
FUG 14	197 Incinerator Wastewater Fugitive Emissions																1		

* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

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KEY TO MATRIX

- 1 -The regulations have applicable requirements which apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR	
		A	Ka	Kb	Db	VV	A	F	M	V	A	F	G	H	J	Q	EEE	68	82		
GRP 15	Hazardous Waste Incinerators						1		1		1	1	1					1	1		
EQT 146	173 Hazardous Waste Incinerator NCIN-1 (Organic Chloride)												1					1			
EQT 147	174 Hazardous Waste Incinerator NCIN-2 (Organic Chloride)												1					1			
EQT 148	198 Emergency Bypass Scrubber																				
FUG 13	196 Fugitives – Hazardous Waste Incinerators							1				1									
FUG 14	197 Incinerator Wastewater Fugitive Emissions												3	3							

KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Compliance Method/Provision	Notes
173	LAC 33:III.1503 Chapter 15 Emission Standards for Sulfur Dioxide	EXEMPT Sulfur Dioxide emissions from this source are significantly less than 250 tpy.	
174	LAC 33:III.1503 Chapter 15 Emission Standards for Sulfur Dioxide	EXEMPT Sulfur Dioxide emissions from this source are significantly less than 250 tpy.	
196	LAC 33:III.2111 Chapter 21 – Control of Emission of Organic Compounds	EXEMPT There are no pumps and compressors associated with the incineration system that handle VOCs having a true vapor pressure of 1.5 psia or greater at handling conditions	
197	40 CFR 63 Subpart F National Emission Standards for Hazardous Organic Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry	DOES NOT APPLY This source does not meet the applicable criteria specified in Section 63.100, and therefore, is not subject to the provisions of this subpart.	
	40 CFR 63 Subpart G National Emission Standards for Hazardous Organic Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater	DOES NOT APPLY This source does not meet the applicable criteria specified in Section 63.100, and therefore, is not subject to the provisions of this subpart.	

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The above table provides explanation for both the exemption status or non-applicability of a source cited by 2 or 3 in the matrix presented in Section X of this permit.

General Information

AI ID: 87883 Hexion Specialty Chemicals Inc

Activity Number: PER20020001

Permit Number: 2252-V1

Air - Title V Regular Permit Renewal

Also Known As:	ID	Name	User Group	Start Date
	LA04848	ADVF #	Asbestos	01-22-2003
	2520-0088	Hexion Specialty Chemicals Inc	CDS Number	01-08-2001
	2520-0088	Hexion Specialty Chemicals Inc	Emission Inventory	03-03-2004
	76-0607613	Federal Tax ID	Federal Tax ID	10-10-2000
	LAD980622104	Hexion Specialty Chemicals Inc	Hazardous Waste Notification	06-03-2005
	LA0120855	LPDES #	LPDES Permit #	06-13-2005
		Priority 1 Emergency Site	Priority 1 Emergency Site	07-19-2006
	LA-10324-L01	Radiactive Material License	Radiation License Number	10-10-2000
	86894	Resolution Performance Products	TEMPO Merge	02-21-2001
	2520-0088	Toxic Emissions Data Inventory #	Toxic Emissions Data Inventory #	01-01-2001
	70079RSLTN16122	TRI #	Toxic Release Inventory	07-19-2004
			Main Phone:	5044726568
Physical Location:		16122 River Rd Lot 3 Norco, LA 70079		
Mailing Address:		16122 River Rd Lot 3 Norco, LA 70079		
Location of Front Gate:		30° 0' 8" 66 hundredths latitude, 90° 25' 24" 64 hundredths longitude, Coordinate Method: Interpolation - Map, Coordinate Datum: NAD83		
Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Paul Bartletta	PO Box 10 Norco, LA 700790010	5044657460 (WP)	Air Permit Contact For
	Paul Bartletta	PO Box 10 Norco, LA 700790010	5044657460 (WP)	Water Billing Party for
	Tara Domino	16122 River Rd Norco, LA 70079	5044726557 (WP)	Accident Prevention Billing Party for
	Tara Domino	16122 River Rd Norco, LA 70079	8173752537 (WF)	Accident Prevention Billing Party for
	Jacqueline A. Donaldson	PO Box 10 Norco, LA 700790010	5044657828 (WP)	Hazardous Waste Permit Contact For
	Jacqueline A. Donaldson	PO Box 10 Norco, LA 700790010	5044656296 (WF)	Hazardous Waste Permit Contact For
	Michael R. Naquin	PO Box 10 Norco, LA 700790010	5044726568 (WP)	Radiation Safety Officer for
	Michael R. Naquin	PO Box 10 Norco, LA 700790010	8173752739 (WF)	Radiation Safety Officer for
	Michael R. Naquin	PO Box 10 Norco, LA 700790010	michael.naquin@res	Radiation Safety Officer for
	Andrea Perez	16122 River Rd Norco, LA 70079	5044726563 (WP)	Water Permit Contact For
	Andrea Perez	16122 River Rd Norco, LA 70079	5044726563 (WP)	Haz. Waste Billing Party for
	Renee A. Toups	16122 River Rd Norco, LA 70079	5044726598 (WP)	Accident Prevention Contact for
	Renee A. Toups	16122 River Rd Norco, LA 70079	8173752655 (WF)	Accident Prevention Contact for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Hexion Specialty Chemicals Inc	PO Box 10 Norco, LA 70079	Air Billing Party for	

General Information

AI ID: 87883 Hexion Specialty Chemicals Inc
Activity Number: PER20020001
Permit Number: 2252-Y1
Air - Title V Regular Permit Renewal

Related Organizations:	Name	Address	Phone (Type)	Relationship
	Shell Chemical LP	Norco Invoice Processing Houston, TX 77210		Radiation License Billing Party for
SIC Codes:	2869, Industrial organic chemicals, nec			

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 87883 - Hexion Specialty Chemicals Inc
 Activity Number: PER2002001
 Permit Number: 2252-V1
 Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT146	173 Hazardous Waste Incinerator NCIN-1 (Organic Chloride)		53 MM BTU/hr			8760 hr/yr (All Year)
EQT147	174 Hazardous Waste Incinerator NCIN-2 (Organic Chloride)		53 MM BTU/hr			8760 hr/yr (All Year)
EQT148	198 Emergency Bypass Scrubber		750 SCFM			10 hr/yr (All Year)
FUG013	196 Fugitives - Hazardous Waste Incinerators					8760 hr/yr (All Year)
FUG014	197 Incinerator Wastewater Fugitive Emissions					8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP015	Hazardous Waste Incinerators	EQT146 173 Hazardous Waste Incinerator NCIN-1 (Organic Chloride)
GRP015	Hazardous Waste Incinerators	EQT147 174 Hazardous Waste Incinerator NCIN-2 (Organic Chloride)
GRP015	Hazardous Waste Incinerators	EQT148 198 Emergency Bypass Scrubber
GRP015	Hazardous Waste Incinerators	FUG13 196 Fugitives - Hazardous Waste Incinerators
GRP015	Hazardous Waste Incinerators	FUG14 197 Incinerator Wastewater Fugitive Emissions

Relationships:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT146	80.96	23847	2.5		100	190
EQT147	67.55	19896	2.5		100	191
EQT148	23.11	750	83		42	

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
GRP015	1	MM Lb/Yr	0500 - Industrial Inorganic Chemicals Mfg. N.E.C. (Rated Capacity)

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 87883 - Hexion Specialty Chemicals Inc

Activity Number: PER20020001

Permit Number: 2252-V1

Air - Title V Regular Permit Renewal

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 146 173	1.61	1.93	7.05	0.03	0.04	0.14	3.18	3.82	13.93	5.50	6.60	24.10	0.87	1.04	3.80
EQT 147 174	1.51	1.81	6.62	0.03	0.04	0.14	3.18	3.82	13.93	5.17	6.20	22.64	0.81	0.98	3.57
EQT 148 198													954.00	1431.02	4.77
FUG 013 196													2.09	2.09	9.16
FUG 014 197													0.07		0.30

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

PM10: 13.67 tons/yr
SO2: 0.28 tons/yr
NOx: 27.86 tons/yr
CO: 46.74 tons/yr
VOC: 21.60 tons/yr

Emission rates Notes:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 87883 - Hexion Specialty Chemicals Inc

Activity Number: PER20020001

Permit Number: 2252-V1

Air - Title V Regular Permit Renewal

All phases

1,2-Dichloroethane			1,2-Dichloropropane			1,3-Butadiene			1,3-Dichloropropene			1,4-Dioxane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr
EQT 146 173	< 0.001	< 0.001	< 0.001	0.104	0.125	0.455	< 0.001	< 0.001	< 0.001	0.183	0.22	0.803	< 0.001	< 0.001
EQT 147 174	< 0.001	< 0.001	< 0.001	0.105	0.126	0.461	< 0.001	< 0.001	< 0.001	0.185	0.223	0.812	< 0.001	< 0.001
EQT 148 198	0.20	0.284	0.001	0.60	1.015	0.003	0.06	0.085	< 0.001	1.00	1.365	0.005	< 0.001	0.003
FUG 013 196	< 0.001	< 0.001	0.247			1.082	< 0.001		< 0.001	0.389		1.705		
FUG 014 197														

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 87883 - Hexion Specialty Chemicals Inc

Activity Number: PER20020001

Permit Number: 2252-V1

Air - Title V Regular Permit Renewal

All phases

4,4'-Methylenebisbenzeneamine			Acrolein			Acrylic acid			Acrylonitrile			Allyl chloride			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	
EQT 146 173	0.002	0.003	0.009	0.002	0.002	0.007	<	0.001	<	0.001	<	0.001	0.059	0.07	0.256
EQT 147 174	0.002	0.003	0.009	0.002	0.002	0.007	<	0.001	<	0.001	<	0.001	0.059	0.071	0.259
EQT 148 198	9.60	14.347	0.048	0.06	0.093	<	0.001	0.003	<	0.001	<	0.001	258.80	388.101	1.294
FUG 013 196	0.009		0.039	0.001		0.006							0.243		1.066
FUG 014 197															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 87883 - Hexion Specialty Chemicals Inc

Activity Number: PER20020001

Permit Number: 2252-V1

Air - Title V Regular Permit Renewal

All phases

Antimony (and compounds)			Arsenic (and compounds)			Barium (and compounds)			Benzene			Beryllium (Table 51.1)			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 146 173	0.006	0.011	0.025	0.003	0.007	0.014	0.071	0.143	0.312	0.001	0.003	0.003	0.006	0.008	0.014
EQT 147 174	0.005	0.011	0.023	0.002	0.003	0.007	0.006	0.012	0.026	0.001	0.001	0.003	0.004	0.007	0.018
EQT 148 198										0.01	0.019	< 0.001			
FUG 013 196										0.002		0.007			
FUG 014 197															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AIID: 87883 - Hexion Specialty Chemicals Inc

Activity Number: PER20020001

Permit Number: 2252-V1

Air - Title V Regular Permit Renewal

All phases

		Cadmium (and compounds)			Carbon disulfide			Carbon tetrachloride			Chlorinated dibenzo-p-dioxins		
Subject Item	Bromoform	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 146 173	0.005	0.005	0.02	0.004	0.010	< 0.001	0.001	0.001	0.001	0.004	< 0.001	< 0.001	< 0.001
EQT 147 174	0.005	0.005	0.02	0.001	0.003	0.006	< 0.001	< 0.001	< 0.001	0.004	< 0.001	< 0.001	< 0.001
EQT 148 198													
FUG 013 196													
FUG 014 197													

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 87883 - Hexion Specialty Chemicals Inc

Activity Number: PER20020001

Permit Number: 2252-V1

Air - Title V Regular Permit Renewal

All phases

Subject Item	Chlorinated dibenzofurans			Chlorine			Chlorobenzene			Chloroethane			Chloroform		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 146 173	< 0.001	< 0.001	< 0.001	2.491	2.99	10.912	< 0.001	< 0.001	< 0.001	0.002	0.002	0.007	0.003	0.003	0.012
EQT 147 174	< 0.001	< 0.001	< 0.001	1.168	1.402	5.116	< 0.001	< 0.001	< 0.001	0.002	0.002	0.008	0.003	0.003	0.012
EQT 148 198							1.80	2.67	0.009	7.60	11.406	0.038			
FUG 013 196							0.001			0.003	0.007	0.033			
FUG 014 197															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 87883 - Hexion Specialty Chemicals Inc

Activity Number: PER20020001

Permit Number: 2252-V1

Air - Title V Regular Permit Renewal

All phases

Chromium VI (and compounds)			Cobalt compounds			Copper (and compounds)			Cresol			Dichloromethane			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 146 173	0.003	0.006	0.012	< 0.001	< 0.001	0.001	0.002	0.005	0.011	0.003	0.004	0.015	0.002	0.003	0.011
EQT 147 174	0.001	0.002	0.004	< 0.001	< 0.001	0.001	0.003	0.006	0.013	0.002	0.002	0.008	0.002	0.003	0.011
EQT 148 198										8.40	12.556	0.042			
FUG 013 196										0.008		0.034			
FUG 014 197															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

All ID: 87883 - Hexion Specialty Chemicals Inc
 Activity Number: PER20020001
 Permit Number: 2252-V1
 Air - Title V Regular Permit Renewal

All phases

Epichlorohydrin		Ethyl benzene		Ethylene glycol		Formaldehyde		Glycol ethers (Table 51.1)							
Subject Item	Avg lb/hr	Max lb/hr	Avg lb/Year	Tons/Year	Max lb/hr	Avg lb/Year	Tons/Year	Max lb/hr	Avg lb/hr	Tons/Year	Max lb/hr	Avg lb/hr	Tons/Year	Max lb/hr	Tons/Year
EQT 146 173	0.014	0.016	0.06	< 0.001	< 0.001	0.001	0.002	0.002	0.009	0.001	0.001	< 0.001	0.001	0.002	0.002
EQT 147 174	0.008	0.009	0.033	< 0.001	< 0.001	0.001	0.001	0.002	0.006	0.001	0.001	< 0.001	0.001	0.002	0.002
EQT 148 198	29.00	43.362	0.145	1.20	1.784	0.006	5.80	8.704	0.029	2.80	4.288	0.014	2.00	2.95	0.01
FUG 013 196	0.04		0.173	0.001		0.005	0.005		0.024	0.003		0.012	0.002		0.008
FUG 014 197															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 87883 - Hexion Specialty Chemicals Inc

Activity Number: PER200020001

Permit Number: 2252 VA

PERIODICALS RECEIVED: 22232-V1

All phases

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 87883 - Hexion Specialty Chemicals Inc

Activity Number: PER20020001

Permit Number: 2252-V1

Air - Title V Regular Permit Renewal

All phases

Mercury (and compounds)		Methanol			Methyl chloride			Methyl ethyl ketone			Methyl isobutyl ketone				
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 146 173	0.006	0.007	0.027	<	0.001	<	0.001	0.001	0.003	0.004	0.013	0.001	0.002	0.006	
EQT 147 174	0.006	0.007	0.025	<	0.001	<	0.001	0.001	0.003	0.001	0.005	0.001	0.001	0.004	
EQT 148 198				0.03	0.043	<	0.001			4.80	7.107	0.024	4.00	6.044	0.020
FUG 013 196				<	0.001					0.004		0.019	0.004		0.016
FUG 014 197															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AID: 87883 - Hexion Specialty Chemicals Inc

Activity Number: PER2002001

Permit Number: 2252-V1

Air - Title V Regular Permit Renewal

All phases

Nickel (and compounds)			Phenol			Selenium (and compounds)			Styrene			Tetrachloroethylene		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr
EQT 146 173	0.011	0.022	0.049	0.003	0.004	0.015	< 0.001	0.001	0.002	0.001	0.001	0.003	< 0.001	< 0.001
EQT 147 174	0.004	0.007	0.016	0.002	0.002	0.008	0.001	0.001	0.003				< 0.001	< 0.001
EQT 148 198				8.40	12.561	0.042								
FUG 013 196				0.008		0.034								
FUG 014 197														

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AIID: 87883 - Hexion Specialty Chemicals Inc

Activity Number: PER20020001

Permit Number: 2252-V1

Air - Title V Regular Permit Renewal

All phases

Subject Item	Toluene			Triethyl amine			Xylene (mixed isomers)			Zinc (and compounds)			n-Hexane			
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	
EQT 146 173	0.034	0.041	0.150	<	0.001	<	0.001	0.001	0.001	0.003	0.02	0.04	0.088	0.001	0.002	0.006
EQT 147 174	0.002	0.003	0.011	<	0.001	<	0.001	0.001	0.001	0.004	0.003	0.006	0.013	0.001	0.002	0.006
EQT 148 198	11.00	16.563	0.055	<	0.001	0.005	<	0.001	3.60	5.354	0.018					
FUG 013 195	0.01		0.045						0.003		0.015					
FUG 014 197																

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 87883 - Hexion Specialty Chemicals Inc

Activity Number: PER20020001

Permit Number: 2252-V1

Air - Title V Regular Permit Renewal

All phases

Subject Item	Avg lb/hr	Max lb/hr	Tons/Year
EQT 146 173	0.002	0.002	0.007
EQT 147 174	0.002	0.002	0.007
EQT 148 198	7.40	11.114	0.037
FUG 013 196	0.007		0.03
FUG 014 197			

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

1,2-Dichloroethane: 0.001 tons/yr
 1,2-Dichloropropane: 2.001 tons/yr
 1,3-Butadiene: <0.001 tons/yr
 1,3-Dichloropropene: 3.325 tons/yr
 1,4-Dioxane: <0.001 tons/yr
 4,4'-Methylenebisbenzeneamine: 0.105 tons/yr
 Acrolein: 0.020 tons/yr
 Acrylic acid: <0.001 tons/yr
 Acrylonitrile: <0.001 tons/yr
 Allyl chloride: 2.875 tons/yr
 Antimony (and compounds): 0.048 tons/yr
 Arsenic (and compounds): 0.021 tons/yr
 Barium (and compounds): 0.338 tons/yr
 Benzene: 0.013 tons/yr
 Beryllium (Table 51.1): 0.032 tons/yr
 Bromoform: 0.04 tons/yr
 Cadmium (and compounds): 0.016 tons/yr
 Carbon disulfide: <0.001 tons/yr
 Carbon tetrachloride: 0.008 tons/yr

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 87883 - Hexion Specialty Chemicals Inc

Activity Number: PER20020001

Permit Number: 2252-V1

Air - Title V Regular Permit Renewal

All phases

Chlorinated dibenzo-p-dioxins: <0.001 tons/yr
Chlorinated dibenzofurans: <0.001 tons/yr
Chlorine: 16.028 tons/yr
Chlorobenzene: 0.016 tons/yr
Chloroethane: 0.086 tons/yr
Chloroform: 0.024 tons/yr
Chromium VI (and compounds): 0.016 tons/yr
Cobalt compounds: <0.001 tons/yr
Copper (and compounds): 0.024 tons/yr
Cresol: 0.099 tons/yr
Dichloromethane: 0.022 tons/yr
Epichlorohydrin: 0.411 tons/yr
Ethyl benzene: 0.013 tons/yr
Ethylene glycol: 0.068 tons/yr
Formaldehyde: 0.032 tons/yr
Glycol ethers (Table 5.1): 0.022 tons/yr
Hydrochloric acid: 32.240 tons/yr
Hydrogen cyanide: <0.001 tons/yr
Hydroquinone: <0.001 tons/yr
Lead compounds: 0.029 tons/yr
Manganese (and compounds): 0.077 tons/yr
Mercury (and compounds): 0.032 tons/yr
Methanol: <0.001 tons/yr
Methyl chloride: 0.006 tons/yr
Methyl ethyl ketone: 0.061 tons/yr
Methyl isobutyl ketone: 0.046 tons/yr
n-butyl alcohol: 0.081 tons/yr
n-Hexane: 0.012 tons/yr
Nickel (and compounds): 0.065 tons/yr
Phenol: 0.099 tons/yr
Selenium (and compounds): 0.005 tons/yr
Styrene: 0.003 tons/yr

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 87883 - Hexion Specialty Chemicals Inc

Activity Number: PER20020001

Permit Number: 2252-V1

Air - Title V Regular Permit Renewal

All phases

Tetrachloroethylene: 0.002 tons/yr

Toluene: 0.261 tons/yr

Triethyl amine: <0.001 tons/yr

Xylene (mixed isomers): 0.040 tons/yr

Zinc (and compounds): 0.101 tons/yr

Emission Rates Notes:

SPECIFIC REQUIREMENTS

AI ID: 87883 - Hexion Specialty Chemicals Inc
Activity Number: PER20020001
Permit Number: 2252-V1
Air - Title V Regular Permit Renewal

EQT146 173 Hazardous Waste Incinerator NCIN-1 (Organic Chloride)

- 1 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 2 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
- 3 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 4 VOC, Total >= 90 % control efficiency. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.2]
Which Months: All Year Statistical Basis: None specified
- 5 Determine compliance with LAC 33:III.2103.E using the methods in LAC 33:III.2103.H.2-a-e, where appropriate. [LAC 33:III.2103.H.2]
- 6 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 7 Halogenated hydrocarbons, total >= 95 % removal efficiency as determined in accordance with LAC 33:III.2115.J.1, by combustion or other methods specified in LAC 33:III.2115.G. If combusted, reduce the halogenated products of combustion to an emission level acceptable to DEQ. [LAC 33:III.2115.F]
- 8 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Operating the incinerator so that the total VOC control efficiency is greater than 99%, and the hydrogen chloride and chlorine removal rate is greater than 95% constitutes MACT. [LAC 33:III.5109.A]
- 9 Comply with the first set of requirements identified 40 CFR 63.112(e)(3)(ii)(A) through 40 CFR 63.112(e)(3)(ii)(E) which applies to any individual emission stream that is included in the combined stream, where either that emission stream would be classified as Group 1 in the absence of combination with other emission streams, or the owner chooses to consider that emission stream to be Group 1. [40 CFR 63.112(e)(3)(ii)]
- 10 Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). For combustion devices, calculate emission reduction or concentration on a dry basis, corrected to 3-percent oxygen. Subpart G. [40 CFR 63.113(a)(2)]
Which Months: All Year Statistical Basis: None specified
- 11 Temperature monitored by temperature monitoring device continuously. Equip the temperature monitoring device with a continuous recorder and install in the firebox or in the ductwork immediately downstream of the firebox in a position before any substantial heat exchange occurs. Subpart G. [40 CFR 63.114(a)(1)]
Which Months: All Year Statistical Basis: None specified
- 12 pH monitored by pH instrument at the regulation's specified frequency. A pH monitoring device equipped with a continuous recorder shall be installed to monitor the pH of the scrubber effluent. [40 CFR 63.114(a)(4)(i)]
Which Months: All Year Statistical Basis: Not applicable
- 13 Flow monitored by flow indicator at the regulation's specified frequency. A flow meter equipped with a continuous recorder shall be located at the scrubber influent for liquid flow. Gas flow rate shall be determined using one of the procedures specified in paragraphs (a)(4)(ii)(A) through (C) of 40 CFR 63.114. [40 CFR 63.114(a)(4)(ii)]
Which Months: All Year Statistical Basis: Not applicable
- 14 Conduct a performance test using the procedures in 40 CFR 63.116(c)(1) through (c)(4). Subpart G. [40 CFR 63.116(c)]
- 15 Conduct a performance test to determine compliance with the control efficiency or emission limits for hydrogen halides and halogens. Use the procedures in 40 CFR 63.116(d)(1) through (d)(5). Subpart G. [40 CFR 63.116(d)]
- 16 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]

SPECIFIC REQUIREMENTS

AI ID: 87883 - Hexion Specialty Chemicals Inc
Activity Number: PER20020001
Permit Number: 2252-V1
Air - Title V Regular Permit Renewal

EQT146 173 Hazardous Waste Incinerator NCIN-1 (Organic Chloride)

- 17 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(a)(1) through (a)(4). Subpart G. [40 CFR 63.118(a)]
- 18 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the information specified in 40 CFR 63.118(f)(1) through (f)(6). Subpart G. [40 CFR 63.118(f)]
- 19 Inlet emissions: Organic HAP $\geq 90\%$ reduction, if it can be demonstrated that the control device installed on a storage vessel on or before December 31, 1992 is designed to reduce inlet emissions of total organic HAP by greater than or equal to 90 percent but less than 95 percent. Subpart G. [40 CFR 63.119(e)(2)]
Which Months: All Year Statistical Basis: None specified
- 20 Do not exceed 240 hours per year of periods of planned routine maintenance of the control device, during which the control device does not meet the specifications of 40 CFR 63.119(e)(1) or (e)(2). Subpart G. [40 CFR 63.119(e)(3)]
- 21 Prepare a design evaluation, which includes the information specified in 40 CFR 63.120(d)(1)(i), or submit the results of a performance test as described in 40 CFR 63.120(d)(1)(ii). Subpart G. [40 CFR 63.120(d)(1)]
- 22 Monitor the parameters specified in the Notification of Compliance Status required in 40 CFR 63.15(b) or in the operating permit and operate and maintain the control device such that the monitored parameters remain within the ranges specified in the Notification of Compliance Status. Subpart G. [40 CFR 63.120(d)(5)]
- 23 Submit, as part of the Notification of Compliance Status required by 40 CFR 63.151(b): A monitoring plan containing the information specified in 40 CFR 63.120(d)(2)(i) and in either (d)(2)(ii) or (d)(2)(iii); and the information specified in 40 CFR 63.120(d)(3)(i) and, if applicable, (d)(3)(ii). Subpart G. [40 CFR 63.120(d)]
- 24 Permittee shall comply with the emission limits listed in 40 CFR 63.1203(a)(1) through (a)(7). [40 CFR 63.1203(a)]
- 25 Permittee must not discharge or cause combustion gases to be emitted into the atmosphere that contain:
 - Dioxins and furans in excess of 0.40 ng TEQ/dscm corrected to 7% oxygen provided that the combustion gas temperature at the inlet to the initial particulate matter control device is 400 °F or lower based on the average of the test run average temperatures;
 - Mercury in excess of 130 ug/dscm corrected to 7% oxygen;
 - Semivolatile metals (Pb, Cd) in excess of 240 ug/dscm corrected to 7% oxygen;
 - Low volatile metals (As, Be, Cr) in excess of 97 ug/dscm corrected to 7% oxygen;
 - Carbon monoxide in excess of 100 ppmv, dry basis, corrected to 7% oxygen or hydrocarbons in excess of 10 ppmv, dry basis, corrected to 7% oxygen;
 - Hydrochloric acid and chlorine gas in excess of 77 ppmv, combined emissions, expressed as hydrochloric acid equivalents, dry basis, corrected to 7% oxygen
- 26 Particulate Matter in excess of 34 mg/dscm corrected to 7% oxygen. [40 CFR 63.1203(a)]
Permittee shall achieve a destruction and removal efficiency (DRE) of 99.99% for each principle organic hazardous constituent (POHC) designated in 40 CFR 63.1203(c)(3).
Calculate the DRE using the equation listed in 40 CFR 63.1203(c)(1). [40 CFR 63.1203(c)(1)]
- 27 The Administrator will determine compliance with the emission standards of 40 CFR 63. Subpart EEE as provided by 40 CFR 63.6(f)(2). Conducting performance testing under operating conditions representative of the extreme range of normal conditions is consistent with the requirements of 40 CFR 63.6(f)(2)(iii)(B) and 63.7(e)(1) to conduct performance testing under representative operating conditions. [40 CFR 63.1206(B)(2)]

SPECIFIC REQUIREMENTS

AJ ID: 87883 - Hexion Specialty Chemicals Inc

Activity Number: PER20020001

Permit Number: 2252-V1

Air - Title V Regular Permit Renewal

EQT146 173 Hazardous Waste Incinerator NCIN-1 (Organic Chloride)

- 28 The permittee shall comply with the emission standards of 40 CFR 63.1203 and the other requirements of 40 CFR 63 Subpart EEE no later than the compliance date, September 30, 2003, unless the Administrator grants you an extension of time under 40 CFR 63.6(i) or 40 CFR 63.1213. [40 CFR 63.1206(a)(1)(ii)(A)]
- 29 The emission standards and operating requirements set forth in 40 CFR 63 Subpart EEE apply at all times except:

(i) During periods of startup, shutdown, and malfunction; and

- (ii) When hazardous waste is not in the combustion chamber (i.e., the hazardous waste feed to the combustor has been cut off for a period of time not less than the hazardous waste residence time) and you have documented in the operating record that you are complying with all otherwise applicable requirements and standards promulgated under authority of sections 112 (e.g., 40 CFR part 63, subparts LLL, DDDDD, and NNNNN) or 129 of the Clean Air Act in lieu of the emission standards under 40 CFR 63.1203, 63.1204, 63.1205, 63.1215, 63.1216, 63.1217, 63.1218, 63.1219, 63.1220, and 63.1221; the monitoring and compliance standards of this section and 40 CFR 63.1207 through 63.1209, except the modes of operation requirements of 40 CFR 63.1209(q); and the notification, reporting, and recordkeeping requirements of 40 CFR 63.1210 through 63.1212. [40 CFR 63.1206(b)(1)]
- 30 Permittee shall comply with all applicable performance testing requirements of 40 CFR 63.1207. [40 CFR 63.1207]
- 31 The permittee shall use the test methods as specified in 40 CFR 63.1208 to determine compliance with the emissions standards of 40 CFR 63 Subpart EEE. [40 CFR 63.1208(b)]
- 32 Permittee shall comply with all applicable monitoring requirements of 40 CFR 63.1209. [Note: Established operating parameters and limits from the most recent Comprehensive Performance Test (CPT) are listed in the most recent Notification of Compliance (NOC) which is included in Appendix A in this Title V permit (see 40 CFR Part 70 Specific Condition 2).] [40 CFR 63.1206(b)(1)]
- 33 Permittee shall comply with all applicable notification requirements of 40 CFR 63.1210. [40 CFR 63.1210]
- 34 Permittee shall comply with all applicable recordkeeping and reporting requirements of 40 CFR 63.1211. [40 CFR 63.1211]
- 35 Vapor collection system: Design and operate to collect the organic hazardous air pollutant vapors displaced from tank trucks or railcars during loading, and route them to a process, or to a fuel gas system, or to a control device as provided in 40 CFR 63.126(b). Subpart G. [40 CFR 63.126(a)(1)]
- 36 Vapor collection system: Design and operate such that organic HAP vapors collected at one loading arm will not pass through another loading arm in the rack to the atmosphere. Subpart G. [40 CFR 63.126(a)(2)]
- 37 Ensure that the process, fuel gas system, or control device used to comply with 40 CFR 63 Subpart G will be operating whenever organic HAP emissions are vented to the process, fuel gas system, or control device. Subpart G. [40 CFR 63.126(b)(3)]
- 38 Organic HAP \geq 98 % reduction by weight or exit concentration $<= 20$ ppmv, whichever is less stringent. Subpart G. [40 CFR 63.126(b)(1)]
- 39 Vent system: Secure each valve in the vent system that would divert the vent stream to the atmosphere in a non-diverting position using a car seal or a lock-and-key type configuration; or equip with a flow indicator. Subpart G. [40 CFR 63.126(i)]
- 40 Temperature monitored by temperature monitoring device continuously. Equip the temperature monitoring device with a continuous recorder and install in the firebox or in the ductwork immediately downstream of the firebox in a position before any substantial heat exchange occurs. Subpart G. [40 CFR 63.127(a)(1)]
- Which Months: All Year Statistical Basis: None specified
- 41 Vent system: Flow monitored by flow indicator once every 15 minutes. Equip the flow indicator with a recorder that takes a reading at least once every 15 minutes and install at the entrance to any by-pass line that could divert the vent stream away from the control device to the atmosphere. Subpart G. [40 CFR 63.127(d)(1)]
- Which Months: All Year Statistical Basis: None specified
- 42 Vent system: Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the by-pass line. Subpart G. [40 CFR 63.127(d)(2)(i)]
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 87883 - Hexion Specialty Chemicals Inc

Activity Number: PER20020001

Permit Number: 2252-V1

Air - Title V Regular Permit Renewal

EQT146 173 Hazardous Waste Incinerator NCIN-1 (Organic Chloride)

- 43 Vent system: If car-seal has been broken or valve position changed, record that the vent stream has been diverted. Return the car-seal or lock-and-key combination to the secured position as soon as practicable but not later than 15 calendar days after the change in position is detected. Subpart G. [40 CFR 63.127(d)(2)(ii)]
- 44 Vent system: Secure the by-pass line valve in the closed position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.127(d)(2)]
- 45 Determine compliance with 40 CFR 63.126 using the methods and procedures specified in 40 CFR 63.128(a) through (h). Subpart G. [40 CFR 63.128]
- 46 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.129(a) through (f). Subpart G. [40 CFR 63.129]
- 47 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.130(a) through (d). Subpart G. [40 CFR 63.130]
- 48 Vapor collection system or closed vent system (hard-piping): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.148(c). Subpart G. [40 CFR 63.148(b)(1)(i)]
Which Months: All Year Statistical Basis: None specified
- 49 Vapor collection system or closed vent system (hard-piping): Presence of a leak monitored by visual, audible, and/or olfactory annually. Subpart G. [40 CFR 63.148(b)(1)(ii)]
Which Months: All Year Statistical Basis: None specified
- 50 Vapor collection system or closed vent system (ductwork): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.148(c). Subpart G. [40 CFR 63.148(b)(2)(i)]
Which Months: All Year Statistical Basis: None specified
- 51 Vapor collection system or closed vent system (ductwork): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually according to the procedures in 40 CFR 63.148(c). Subpart G. [40 CFR 63.148(b)(2)(ii)]
Which Months: All Year Statistical Basis: None specified
- 52 Vapor collection system or closed vent system (ductwork): Presence of a leak monitored by visual, audible, and/or olfactory annually. Subpart G. [40 CFR 63.148(b)(2)(iii)]
Which Months: All Year Statistical Basis: None specified
- 53 Repair leaks (as indicated by an instrument reading greater than 500 ppm above background or by visual inspections) as soon as practicable, except as provided in 40 CFR 63.148(e). Make a first attempt at repair no later than 5 calendar days after the leak is detected. Complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.148(d)(3). Subpart G. [40 CFR 63.148(d)]
- 54 Vapor collection system or closed vent system (bypass lines): Flow monitored by flow indicator once every 15 minutes. Install the flow indicator at the entrance to any bypass line. Subpart G. [40 CFR 63.148(f)(1)]
Which Months: All Year Statistical Basis: None specified
- 55 Vapor collection system or closed vent system (bypass lines): Secure the bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.148(f)(2)]
- 56 Vapor collection system or closed vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure the valve is maintained in the closed position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.148(f)(2)]
Which Months: All Year Statistical Basis: None specified
- 57 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.148(i)(1) through (i)(6). Subpart G. [40 CFR 63.148(i)]
- 58 Submit the information specified in 40 CFR 63.148(j)(1) through (j)(3) with the reports required by 40 CFR 63.182(b) of subpart H or 40 CFR 63.152(c). Subpart G. [40 CFR 63.148(j)]

EQT147 174 Hazardous Waste Incinerator NCIN-2 (Organic Chloride)

SPECIFIC REQUIREMENTS

AI ID: 87883 - Hexion Specialty Chemicals Inc

Activity Number: PER20020001

Permit Number: 2252-V1

Air - Title V Regular Permit Renewal

EQT147 174 Hazardous Waste Incinerator NCIN-2 (Organic Chloride)

- 59 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
- Which Months: All Year Statistical Basis: None specified
- 60 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
- Which Months: All Year Statistical Basis: None specified
- 61 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III. Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 62 VOC, Total >= 90 % control efficiency. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.2]
- Which Months: All Year Statistical Basis: None specified
- 63 Determine compliance with LAC 33:III.2103.E using the methods in LAC 33:III.2103.H.2-a-e, where appropriate. [LAC 33:III.2103.H.2]
- 64 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I.]
- 65 Halogenated hydrocarbons, total >= 95 % removal efficiency as determined in accordance with LAC 33:III.2115.I.1, by combustion or other methods specified in LAC 33:III.2115.G. If combusted, reduce the halogenated products of combustion to an emission level acceptable to DEQ. [LAC 33:III.2115.F]
- Which Months: All Year Statistical Basis: None specified
- 66 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Operating the incinerator so that the total VOC control efficiency is greater than 99%, and the hydrogen chloride and chlorine removal rate is greater than 95% constitutes MACT. [LAC 33:III.5109.A]
- 7 Comply with the first set of requirements identified 40 CFR 63.112(e)(3)(ii)(A) through 40 CFR 63.112(e)(3)(ii)(E) which applies to any individual emission stream that is included in the combined stream, where either that emission stream would be classified as Group 1 in the absence of combination with other emission streams, or the owner chooses to consider that emission stream to be Group 1. [40 CFR 63.112(e)(3)(ii)]
- 38 Organic HAP > 98 % reduction by weight, or < 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). For combustion devices, calculate emission reduction or concentration on a dry basis, corrected to 3-percent oxygen. Subpart G. [40 CFR 63.113(a)(2)]
- Which Months: All Year Statistical Basis: None specified
- 69 Temperature monitored by temperature monitoring device continuously. Equip the temperature monitoring device with a continuous recorder and install in the firebox or in the ductwork immediately downstream of the firebox in a position before any substantial heat exchange occurs. Subpart G. [40 CFR 63.114(a)(1)]
- Which Months: All Year Statistical Basis: None specified
- 70 pH monitored by pH instrument at the regulation's specified frequency. A pH monitoring device equipped with a continuous recorder shall be installed to monitor the pH of the scrubber effluent. [40 CFR 63.114(a)(4)(i)]
- Which Months: All Year Statistical Basis: Not applicable
- 71 Flow monitored by flow indicator at the regulation's specified frequency. A flow meter equipped with a continuous recorder shall be located at the scrubber influent for liquid flow. Gas flow rate shall be determined using one of the procedures specified in paragraphs (a)(4)(ii)(A) through (C) of 40 CFR 63.114. [40 CFR 63.114(a)(4)(ii)]
- Which Months: All Year Statistical Basis: Not applicable
- 72 Conduct a performance test using the procedures in 40 CFR 63.116(c)(1) through (c)(4). Subpart G. [40 CFR 63.116(c)]
- 73 Conduct a performance test to determine compliance with the control efficiency or emission limits for hydrogen halides and halogens. Use the procedures in 40 CFR 63.116(d)(1) through (d)(5). Subpart G. [40 CFR 63.116(d)]
- 74 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]

SPECIFIC REQUIREMENTS

AI ID: 87883 - Hexion Specialty Chemicals Inc

Activity Number: PER20020001

Permit Number: 2252-V1

Air - Title V Regular Permit Renewal

EQT147 174 Hazardous Waste Incinerator NCIN-2 (Organic Chloride)

- 75 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(a)(1) through (a)(4). Subpart G. [40 CFR 63.118(a)]
- 76 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the information specified in 40 CFR 63.118(f)(1) through (f)(6). Subpart G. [40 CFR 63.118(f)]
- 77 Inlet emissions: Organic HAP \geq 90 % reduction, if it can be demonstrated that the control device installed on a storage vessel on or before December 31, 1992 is designed to reduce inlet emissions of total organic HAP by greater than or equal to 90 percent but less than 95 percent. Subpart G. [40 CFR 63.119(e)(2)]
- Which Months: All Year Statistical Basis: None specified
- 78 Do not exceed 240 hours per year of periods of planned routine maintenance of the control device, during which the control device does not meet the specifications of 40 CFR 63.119(e)(1) or (e)(2). Subpart G. [40 CFR 63.119(e)(3)]
- 79 Prepare a design evaluation, which includes the information specified in 40 CFR 63.120(d)(1)(i), or submit the results of a performance test as described in 40 CFR 63.120(d)(1)(ii). Subpart G. [40 CFR 63.120(d)(1)]
- 80 Monitor the parameters specified in the Notification of Compliance Status required in 40 CFR 63.15(b) or in the operating permit and operate and maintain the control device such that the monitored parameters remain within the ranges specified in the Notification of Compliance Status. Subpart G. [40 CFR 63.120(d)(5)]
- 81 Submit, as part of the Notification of Compliance Status required by 40 CFR 63.151(b): A monitoring plan containing the information specified in 40 CFR 63.120(d)(2)(i) and in either (d)(2)(ii) or (d)(2)(iii); and the information specified in 40 CFR 63.120(d)(3)(i) and, if applicable, (d)(3)(ii). Subpart G. [40 CFR 63.120(d)]
- 82 Permittee shall comply with the emission limits listed in 40 CFR 63.1203(a)(1) through (a)(7). [40 CFR 63.1203(a)]
- 83 Permittee must not discharge or cause combustion gases to be emitted into the atmosphere that contain:
- Dioxins and furans in excess of 0.40 ng TEQ/dscm corrected to 7 % oxygen provided that the combustion gas temperature at the inlet to the initial particulate matter control device is 400 °F or lower based on the average of the test run average temperatures;
 - Mercury in excess of 130 ug/dscm corrected to 7% oxygen;
 - Semivolatile metals (Pb, Cd) in excess of 240 ug/dscm corrected to 7% oxygen;
 - Low volatile metals (As, Be, Cr) in excess of 97 ug/dscm corrected to 7% oxygen;
 - Carbon monoxide in excess of 100 ppmv, dry basis, corrected to 7% oxygen or hydrocarbons in excess of 10 ppmv, dry basis, corrected to 7% oxygen;
 - Hydrochloric acid and chlorine gas in excess of 77 ppmv, combined emissions, expressed as hydrochloric acid equivalents, dry basis, corrected to 7% oxygen
- 84 Particulate Matter in excess of 34 mg/dscm corrected to 7% oxygen. [40 CFR 63.1203(a)]
- 85 Permittee shall achieve a destruction and removal efficiency (DRE) of 99.99% for each principle organic hazardous constituent (POHC) designated in 40 CFR 63.1203(c)(3).
- Calculate the DRE using the equation listed in 40 CFR 63.1203(c)(1). [40 CFR 63.1203(c)(1)]
- The Administrator will determine compliance with the emission standards of 40 CFR 63 Subpart EEE as provided by 40 CFR 63.6(f)(2). Conducting performance testing under operating conditions representative of the extreme range of normal conditions is consistent with the requirements of 40 CFR 63.6(f)(2)(iii)(B) and 63.7(e)(1) to conduct performance testing under representative operating conditions. [40 CFR 63.1206(B)(2)]

SPECIFIC REQUIREMENTS

AI ID: 87883 - Hexion Specialty Chemicals Inc

Activity Number: PER20020001

Permit Number: 2252-V1

Air - Title V Regular Permit Renewal

EQT147 174 Hazardous Waste Incinerator NCIN-2 (Organic Chloride)

86 The permittee shall comply with the emission standards of 40 CFR 63.1203 and the other requirements of 40 CFR 63 Subpart EEE no later than the compliance date, September 30, 2003, unless the Administrator grants you an extension of time under 40 CFR 63.6(i) or 40 CFR 63.1213. [40 CFR 63.1206(a)(1)(i)(A)]
87 The emission standards and operating requirements set forth in 40 CFR 63 Subpart EEE apply at all times except:

(i) During periods of startup, shutdown, and malfunction; and

(ii) When hazardous waste is not in the combustion chamber (i.e., the hazardous waste feed to the combustor has been cut off for a period of time not less than the hazardous waste residence time) and you have documented in the operating record that you are complying with all otherwise applicable requirements and standards promulgated under authority of sections 112 (e.g., 40 CFR part 63, subparts LLL, DDDDD, and NNNNN) or 129 of the Clean Air Act in lieu of the emission standards under 40 CFR 63.1203, 63.1204, 63.1205, 63.1215, 63.1216, 63.1217, 63.1218, 63.1219, 63.1220, and 63.1221, the monitoring and compliance standards of this section and 40 CFR 63.1207 through 63.1209, except the modes of operation requirements of 40 CFR 63.1209(q); and the notification, reporting, and recordkeeping requirements of 40 CFR 63.1210 through 63.1212. [40 CFR 63.1206(b)(1)]

88 Permittee shall comply with all applicable performance testing requirements of 40 CFR 63.1207. [40 CFR 63.1207]

89 The permittee shall use the test methods as specified in 40 CFR 63.1208 to determine compliance with the emissions standards of 40 CFR 63 Subpart EEE. [40 CFR 63.1208(b)]

90 Permittee shall comply with all applicable monitoring requirements of 40 CFR 63.1209. [Note: Established operating parameters and limits from the most recent Comprehensive Performance Test (CPT) are listed in the most recent Notification of Compliance (NOC) which is included in Appendix A in this Title V permit (see 40 CFR Part 70 Specific Condition 2).] [40 CFR 63.1209]

91 Permittee shall comply with all applicable notification requirements of 40 CFR 63.1210. [40 CFR 63.1210]

92 Permittee shall comply with all applicable recordkeeping and reporting requirements of 40 CFR 63.1211. [40 CFR 63.1211]

93 Vapor collection system: Design and operate to collect the organic hazardous air pollutant vapors displaced from tank trucks or railcars during loading, and route them to a process, or to a fuel gas system, or to a control device as provided in 40 CFR 63.126(b). Subpart G. [40 CFR 63.126(a)(1)]

94 Vapor collection system: Design and operate such that organic HAP vapors collected at one loading arm will not pass through another loading arm in the rack to the atmosphere. Subpart G. [40 CFR 63.126(a)(2)]

95 Ensure that the process, fuel gas system, or control device used to comply with 40 CFR 63 Subpart G will be operating whenever organic HAP emissions are vented to the process, fuel gas system, or control device. Subpart G. [40 CFR 63.126(a)(3)]

96 Organic HAP \geq 98 % reduction by weight or exit concentration \leq 20 ppmv, whichever is less stringent. Subpart G. [40 CFR 63.126(b)(1)]

Which Months: All Year Statistical Basis: None specified

97 Vent system: Secure each valve in the vent system that would divert the vent stream to the atmosphere in a non-diverting position using a car seal or a lock-and-key type configuration; or equip with a flow indicator. Subpart G. [40 CFR 63.126(i)]

98 Temperature monitored by temperature monitoring device continuously. Equip the temperature monitoring device with a continuous recorder and install in the firebox or in the ductwork immediately downstream of the firebox in a position before any substantial heat exchange occurs. Subpart G. [40 CFR 63.127(a)(1)]

Which Months: All Year Statistical Basis: None specified

99 Vent system: Flow monitored by flow indicator once every 15 minutes. Equip the flow indicator with a recorder that takes a reading at least once every 15 minutes and install at the entrance to any by-pass line that could divert the vent stream away from the control device to the atmosphere. Subpart G. [40 CFR 63.127(d)(1)]

Which Months: All Year Statistical Basis: None specified

100 Vent system: Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the by-pass line. Subpart G. [40 CFR 63.127(d)(2)(1)]

Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 87883 - Hexion Specialty Chemicals Inc
Activity Number: PER20020001
Permit Number: 2252-V1
Air - Title V Regular Permit Renewal

EQT147 174 Hazardous Waste Incinerator NCIN-2 (Organic Chloride)

- 101 Vent system: If car-seal has been broken or valve position changed, record that the vent stream has been diverted. Return the car-seal or lock-and-key combination to the secured position as soon as practicable but not later than 15 calendar days after the change in position is detected. Subpart G. [40 CFR 63.127(d)(2)(ii)]
- 102 Vent system: Secure the by-pass line valve in the closed position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.127(d)(2)]
- 103 Determine compliance with 40 CFR 63.126 using the methods and procedures specified in 40 CFR 63.128(a) through (h). Subpart G. [40 CFR 63.128]
- 104 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.129(a) through (f). Subpart G. [40 CFR 63.129]
- 105 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.130(a) through (d). Subpart G. [40 CFR 63.130]
- 106 Vapor collection system or closed vent system (hard-piping): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.148(c). Subpart G. [40 CFR 63.148(b)(1)(i)]
Which Months: All Year Statistical Basis: None specified
- 107 Vapor collection system or closed vent system (hard-piping): Presence of a leak monitored by visual, audible, and/or olfactory annually. Subpart G. [40 CFR 63.148(b)(1)(ii)]
Which Months: All Year Statistical Basis: None specified
- 108 Vapor collection system or closed vent system (ductwork): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.148(c). Subpart G. [40 CFR 63.148(b)(2)(i)]
Which Months: All Year Statistical Basis: None specified
- 109 Vapor collection system or closed vent system (ductwork): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually according to the procedures in 40 CFR 63.148(c). Subpart G. [40 CFR 63.148(b)(2)(ii)]
Which Months: All Year Statistical Basis: None specified
- 110 Vapor collection system or closed vent system (ductwork): Presence of a leak monitored by visual, audible, and/or olfactory annually. Subpart G. [40 CFR 63.148(b)(2)(iii)]
Which Months: All Year Statistical Basis: None specified
- 111 Repair leaks (as indicated by an instrument reading greater than 500 ppm above background or by visual inspections) as soon as practicable, except as provided in 40 CFR 63.148(e). Make a first attempt at repair no later than 5 calendar days after the leak is detected. Complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.148(d)(3). Subpart G. [40 CFR 63.148(d)]
- 112 Vapor collection system or closed vent system (bypass lines): Flow monitored by flow indicator once every 15 minutes. Install the flow indicator at the entrance to any bypass line. Subpart G. [40 CFR 63.148(f)(1)]
Which Months: All Year Statistical Basis: None specified
- 113 Vapor collection system or closed vent system (bypass lines): Secure the bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.148(f)(2)]
- 114 Vapor collection system or closed vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure the valve is maintained in the closed position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.148(f)(2)]
Which Months: All Year Statistical Basis: None specified
- 115 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.148(i)(1) through (i)(6). Subpart G. [40 CFR 63.148(i)]
- 116 Submit the information specified in 40 CFR 63.148(j)(1) through (j)(3) with the reports required by 40 CFR 63.182(b) of subpart H or 40 CFR 63.152(c). Subpart G. [40 CFR 63.148(j)]

EQT148 198 Emergency Bypass Scrubber

SPECIFIC REQUIREMENTS

AI ID: 87883 - Hexion Specialty Chemicals Inc

Activity Number: PER20020001

Permit Number: 2252-V1

Air - Title V Regular Permit Renewal

EQT148 198 Emergency Bypass Scrubber

117 During start-ups, shutdowns, and malfunctions when the requirements of the HON do not apply pursuant to 40 CFR 63.102(a)(1) through (a)(3), the owner or operator shall implement, to the extent reasonably available, measures to prevent or minimize excess emissions to the extent practical. Back-up control devices are not required, but may be used if available. [40 CFR 63.102(a)(4)]

FUG013 196 Fugitives - Hazardous Waste Incinerators

118 LAC 33:III.2(21) - Compliance is achieved by compliance with Louisiana Fugitive Emission Program Consolidation Guidelines. See Part 70 Specific Conditions in Appendix A. [LAC 33:III.2(21)]

119 State Only - The number of each type of component required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported to the LDEQ by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification provided:

- a. Changes in components involve routine maintenance or are undertaken to address safety concerns, or involve small piping revisions with no associated emissions increase except from the fugitive emissions components themselves;
 - b. The changes do not involve any associated increases in production rate or capacity, or tie in of new or modified process equipment other than the piping components;
 - c. Actual emissions following the changes will not exceed the emission limits contained in this permit; and
 - d. The components are promptly incorporated into any applicable LDAR program.
- 120 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with the Louisiana Fugitive Emission Consolidation Program, with 40 CFR 63 Subpart H - SOCMI HON MACT being the most stringent program, is determined as MACT. [LAC 33:III.5109.A] 121 40 CFR 60 Subpart VV - Compliance is achieved by compliance with Louisiana Fugitive Emission Program Consolidation Guidelines. See Part 70 Specific Conditions in Appendix A. [40 CFR 60.Subpart VV]
- 122 40 CFR 61 Subpart V - Compliance is achieved by compliance with Louisiana Fugitive Emission Program Consolidation Guidelines. See Part 70 Specific Conditions in Appendix A. [40 CFR 61.Subpart V]
- 123 Identify each piece of equipment in a process unit such that it can be distinguished readily from equipment that is not subject to 40 CFR 63 Subpart H. Subpart H. [40 CFR 63.162(c)]
- 124 Clearly identify leaking equipment, for leaking equipment detected as specified in 40 CFR 63.163, 40 CFR 63.164, 40 CFR 63.168, 40 CFR 63.169, and 40 CFR 63.172 through 63.174. The identification may be removed after the equipment is repaired, except for valves or for connectors subject to 40 CFR 63.174(c)(1)(i). The identification on a valve may be removed after it has been monitored as specified in 40 CFR 63.168(f)(3) and 63.175(e)(1)(D), and no leak has been detected during the follow-up monitoring. If electing to comply using the provisions of 40 CFR 63.174(c)(1)(i), the identification on a connector may be removed after it is monitored as specified in 40 CFR 63.174(c)(1)(i) and no leak is detected during that monitoring. Subpart H. [40 CFR 63.162(f)]
- 125 Pumps in liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, except as provided in 40 CFR 63.162(b) and 63.163(e) through (j). If a reading of 10,000 ppm (phase I); or 5,000 ppm (phase II); or 2,000 ppm (phase III, pumps handling polymerizing monomers), 2,000 ppm (phase IV, pumps in food/medical service), or 1,000 ppm (phase V, all other pumps) or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(1)]
- Which Months: All Year Statistical Basis: None specified

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- 126 Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate the repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(3)]
- Which Months: All Year Statistical Basis: None specified
- 127 Pumps in light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.163(c)(3) and 40 CFR 63.171. Subpart H. [40 CFR 63.163(c)]
- 128 Pumps in light liquid service: Implement a quality improvement program for pumps that complies with the requirements of 40 CFR 63.176, if, in Phase III, calculated on a 6-month rolling average, the greater of either 10 percent of the pumps in a process unit or three pumps in a process unit leak. Subpart H. [40 CFR 63.163(d)(2)]
- 129 Pumps in light liquid service: Determine percent leaking pumps using the equation in 40 CFR 63.163(d)(4). Subpart H. [40 CFR 63.163(d)(4)]
- 130 Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(1)]
- 131 Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid service. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(2)]
- 132 Pumps in light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(3)]
- 133 Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquid dripping from the pump seal at the time of the weekly inspection, monitor the pump as specified in 40 CFR 63.180(b) to determine if there is a leak of organic HAP in the barrier fluid. If an instrument reading of 1,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.163(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(4)]
- Which Months: All Year Statistical Basis: None specified
- 134 Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(6)(i)]
- 135 Pumps in light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(6)]
- 136 Pumps in light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the pump is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.163(e)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)]
- Which Months: All Year Statistical Basis: None specified
- 137 Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each pump as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirement of 40 CFR 63.163(b)(3) and (e)(4), and the daily requirements of 40 CFR 63.163(e)(5). Subpart H. [40 CFR 63.163(h)]
- Which Months: All Year Statistical Basis: None specified

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- 138 Pumps in light liquid service (unsafe-to-monitor): Determine that the pump is unsafe-to-monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.163(b) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.163(b) through (e). Subpart H. [40 CFR 63.163(j)(1)]
- 139 Pumps in light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the pump as frequently as practicable during safe-to-monitor times but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.163(b) through (e). Subpart H. [40 CFR 63.163(j)(2)]
- Which Months: All Year Statistical Basis: None specified
- 140 Compressors: Equip with a seal system that includes barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided in 40 CFR 63.162(b) and 40 CFR 63.164(h) and (i). Subpart H. [40 CFR 63.164(a)]
- 141 Compressors: Operate the seal system with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure; or equip with a barrier fluid system degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid directly into a process stream. Subpart H. [40 CFR 63.164(b)]
- 142 Compressors: Ensure that the barrier fluid is not in light liquid service. Subpart H. [40 CFR 63.164(c)]
- 143 Compressors: Equip each barrier fluid system as described in 40 CFR 63.164(a) through (c) with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart H. [40 CFR 63.164(d)]
- 144 Compressors (sensor): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both. Subpart H. [40 CFR 63.164(e)(2)]
- 145 Compressors: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.164(g)]
- 146 Compressors (no detectable emissions): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially and annually, and at other times requested by DEQ. Comply with this requirement instead of the requirements in 40 CFR 63.164(a) through (h). Subpart H. [40 CFR 63.164(i)(2)]
- Which Months: All Year Statistical Basis: None specified
- 147 Compressors (sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an alarm, unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined under 40 CFR 63.164(e)(2), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.164(g). Subpart H. [40 CFR 63.164]
- 148 Pressure relief device in gas/vapor service: Organic HAP < 500 ppm above background except during pressure releases, as determined by the method specified in 63.180(c). Subpart H. [40 CFR 63.165(a)]
- Which Months: All Year Statistical Basis: None specified
- 149 Pressure relief devices in gas/vapor service: After each pressure release, return to a condition indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.165(b)(1)]
- 150 Pressure relief devices in gas/vapor service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) after the pressure release and being returned to organic HAP service, to confirm the condition indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in 40 CFR 63.180(c). Subpart H. [40 CFR 63.165(b)(2)]
- Which Months: All Year Statistical Basis: None specified
- 151 Pressure relief devices in gas/vapor service (rupture disk): After each pressure release, install a new rupture disk upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.165(a) and (b). Subpart H. [40 CFR 63.165(d)(2)]

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- 152 Sampling connection systems: Equip with a closed-purge, closed-loop, or closed-vent system, except as provided in 40 CFR 63.162(b). Operate the system as specified in 40 CFR 63.166(b). Subpart H. [40 CFR 63.166]
- 153 Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 63.162(b) and 40 CFR 63.167(d) and (e). Ensure that the cap, blind flange, plug or second valve seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair. Operate each open-ended valve or line equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed. Subpart H. [40 CFR 63.167]
- 154 Valves in gas/vapor service or light liquid service (Phase I): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]
Which Months: All Year Statistical Basis: None specified
- 155 Valves in gas/vapor service or light liquid service (Phase II): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]
Which Months: All Year Statistical Basis: None specified
- 156 Valves in gas/vapor service or light liquid service (Phase III, 2 percent or greater leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly, as specified in 40 CFR 63.180(b); or implement a quality improvement program for valves that complies with the requirements of 40 CFR 63.175 and monitor quarterly. If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). If electing to implement a quality improvement program, follow the procedures in 40 CFR 63.175. Subpart H. [40 CFR 63.168(d)(1)]
Which Months: All Year Statistical Basis: None specified
- 157 Valves in gas/vapor service or light liquid service (Phase III, less than 2 percent leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Permittee may elect to comply with the alternate standards in 40 CFR 63.168(d)(3) and (d)(4). Subpart H. [40 CFR 63.168(d)(2)]
Which Months: All Year Statistical Basis: None specified
- 158 Valves in gas/vapor service or light liquid service: Determine percent leaking valves using the equation in 40 CFR 63.168(e)(1). Subpart H. [40 CFR 63.168(e)(1)]
- 159 Valves in gas/vapor service or light liquid service (after leak repair): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within three months (at least) after repair to determine whether the valve has resumed leaking. Subpart H. [40 CFR 63.168(f)(3)]
Which Months: All Year Statistical Basis: None specified
- 160 Valves in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.168(f)]
- 161 Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.168(b) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(1)]
- 162 Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valves as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(2)]
Which Months: All Year Statistical Basis: None specified
- 163 Valves in gas/vapor service or light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface or it is not accessible at anytime in a safe manner. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(i)(1)]

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- 164 Valves in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the valves at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(i)(3)]
- Which Months: All Year Statistical Basis: None specified
- 165 Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) if evidence of a potential leak to the atmosphere is found by visible, audible, olfactory, or any other detection method. If a reading of 10,000 ppm for agitators, 5,000 ppm for all other pumps (including pumps in food/medical service), or 500 ppm for valves, connectors, instrumentation systems, and pressure relief devices, or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.169(c). Subpart H. [40 CFR 63.169(a)]
- Which Months: All Year Statistical Basis: None specified
- 166 Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.169(c)]
- 167 Surge control vessels and bottoms receivers: Equip with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver back to the process or to a control device that complies with the requirements of 40 CFR 63.172, except as provided in 40 CFR 63.162(b), or comply with the requirements of 40 CFR 63.119(b) or (c), if surge control vessel or bottoms receiver is not routed back to the process and meets the conditions specified in 40 CFR 63 Subpart H Table 2 or Table 3. Subpart H. [40 CFR 63.170]
- 168 Closed-vent system (hard-piping): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.169]
- Which Months: All Year Statistical Basis: None specified
- 169 Closed-vent system (hard-piping): Presence of a leak monitored by visual, audible, and/or olfactory annually. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(i)]
- Which Months: All Year Statistical Basis: None specified
- 170 Closed-vent system (duct work): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(2)(i)]
- Which Months: All Year Statistical Basis: None specified
- 171 Closed-vent system (duct work): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(2)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 172 Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.172(i). Subpart H. [40 CFR 63.172(h)]
- 173 Closed-vent system (bypass lines): Flow monitored by flow indicator once every 15 minutes. Install flow indicator at the entrance to any bypass line. Subpart H. [40 CFR 63.172(j)(1)]
- Which Months: All Year Statistical Basis: None specified
- 174 Closed-vent system (bypass lines): Flow recordkeeping by electronic or hard copy once every 15 minutes. Generate records as specified in 40 CFR 63.118(a)(3). Subpart H. [40 CFR 63.172(j)(1)]

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- 175 Closed-vent system (unsafe-to-inspect): Demonstrate that the equipment is unsafe to inspect because inspecting personnel would be exposed to an imminent or potential dangers as a consequence of complying with 40 CFR 63.172(f)(1) or (f)(2). Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(k)(1)]
- 176 Closed-vent system (unsafe-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires inspection of the equipment as frequently as practicable during safe-to-inspect times, but not more frequently than annually. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(k)(2)]
- Which Months: All Year Statistical Basis: None specified
- 177 Closed-vent system (difficult-to-inspect): Demonstrate that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters above a support surface. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(l)(1)]
- 178 Closed-vent system (difficult-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every five years. Maintain a written plan that requires inspection of the equipment at least once every five years. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(l)(2)]
- Which Months: All Year Statistical Basis: None specified
- 179 Ensure that the closed-vent system or control device is operating whenever organic HAP emissions are vented to the closed-vent system or control device. Subpart H. [40 CFR 63.172(m)]
- 180 Agitators in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks; as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(a)]
- Which Months: All Year Statistical Basis: None specified
- 181 Agitators in gas/vapor service or light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar) for indications of liquids dripping from the agitator. If there are indications of liquids dripping from the agitator, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(b)]
- Which Months: All Year Statistical Basis: None specified
- 182 Agitators in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.173(c)]
- 183 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the agitator stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(1)]
- 184 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid organic HAP service. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(2)]
- 185 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(3)]
- 186 Agitators in gas/vapor service or light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the agitator seal. If there are indications of liquid dripping from the agitator seal at the time of the weekly inspection, monitor the agitator as specified in 40 CFR 63.180(b) to determine the presence of organic HAP in the barrier fluid. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.173(d)(6). Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(4)]
- Which Months: All Year Statistical Basis: None specified

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- 187 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)(i)]
- 188 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)]
- 189 Agitators in gas/vapor service or light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the agitator is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.173(d)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.173(d)(6). Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)]

Which Months: All Year Statistical Basis: None specified

- 190 Agitators in gas/vapor service or light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each agitator as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirement of 40 CFR 63.173(b)(1) and (d)(4), and the daily requirements of 40 CFR 63.173(d)(5). Subpart H. [40 CFR 63.173(g)]

Which Months: All Year Statistical Basis: None specified

- 191 Agitators in gas/vapor service or light liquid service (difficult-to-monitor): Demonstrate that the agitator cannot be monitored without elevating the monitoring personnel more than two meters above a support surface or it is not accessible at anytime in a safe manner. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(h)(1)]

- 192 Agitators in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the agitator at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(h)(3)]

Which Months: All Year Statistical Basis: None specified

- 193 Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the agitator is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.173(a) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(j)(1)]

- 194 Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the agitator as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(j)(2)]

Which Months: All Year Statistical Basis: None specified

- 195 Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within 12 months after the compliance date, except as provided in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(1)]

Which Months: All Year Statistical Basis: None specified

- 196 Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within the first 12 months after initial startup or by no later than 12 months after the date of promulgation of a specific subpart that references 40 CFR 63 Subpart H, whichever is later, except as specified in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(2)]

Which Months: All Year Statistical Basis: None specified

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Activity Number: PER20020001
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FUG013 196 Fugitives - Hazardous Waste Incinerators

- 197 Connectors in gas/vapor service or light liquid service (0.5% or greater leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Subpart H. [40 CFR 63.174(b)(3)(i)]
- Which Months: All Year Statistical Basis: None specified
- 198 Connectors in gas/vapor service or light liquid service (less than 0.5% leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every two years. Subpart H. [40 CFR 63.174(b)(3)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 199 Connectors in gas/vapor service or light liquid service (opened or otherwise had the seal broken): Presence of a leak monitored by 40 CFR 60, Appendix A, Method 21 within three months after being returned to organic HAP service or when it is reconnected. If monitoring detects a leak, repair according to the provisions of 40 CFR 63.174(d), as specified, except as provided in 40 CFR 63.174(c)(1)(ii). Subpart H. [40 CFR 63.174(c)(1)(i)]
- Which Months: All Year Statistical Basis: None specified
- 200 Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Comply with the requirements of 40 CFR 63.169. Subpart H. [40 CFR 63.174(c)(2)(i)]
- 201 Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Organic HAP monitored by technically sound method within three months after being returned to organic HAP service after having been opened or otherwise had the seal broken. If monitoring detects a leak, implement repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(c)(2)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 202 Connectors in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Subpart H. [40 CFR 63.174(d)]
- 203 Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with 40 CFR 63.174(a) through (c). Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(f)(1)]
- 204 Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of connectors as frequently as practicable during safe to monitor times, but not more frequently than the periodic schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(f)(2)]
- Which Months: All Year Statistical Basis: None specified
- 205 Connectors in gas/vapor service or light liquid service (unsafe-to-repair): Demonstrate that repair personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.174(d). Comply with this requirement instead of the requirements in 40 CFR 63.174(a), (d), and (e). Subpart H. [40 CFR 63.174(g)]
- 206 Connectors in gas/vapor service or light liquid service (inaccessible, ceramic, or ceramic-lined): Make a first attempt at repair within 5 days after leak is detected by visual, audible, olfactory or other means, and complete repairs no later than 15 calendar days after leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Comply with this requirement instead of the monitoring requirements of 40 CFR 63.174(a) and (c) and from the recordkeeping and reporting requirements of 40 CFR 63.181 and 63.182. Subpart H. [40 CFR 63.174(h)(2)]
- 207 Connectors in gas/vapor service or light liquid service: Calculate percent leaking connectors as specified in 40 CFR 63.174(i)(1) and (i)(2). Subpart H. [40 CFR 63.174(j)]
- 208 Comply with the test methods and procedures requirements provided in 40 CFR 63.180. Subpart H. [40 CFR 63.180]
- 209 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 63.181(a) through (k). Subpart H. [40 CFR 63.181]
- 210 Submit Initial Notification: Due within 120 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]

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- 211 Submit Notification of Compliance Status: Due within 90 days of the compliance dates specified in the 40 CFR 63 subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(c)(1) through (c)(3). Subpart H. [40 CFR 63.182(c)]
- 212 Submit Periodic Reports: Due semiannually starting 6 months after the Notification of Compliance Status, as required in 40 CFR 63.182(c). Include the information specified in 40 CFR 63.182(d)(2) through (d)(4). Subpart H. [40 CFR 63.182(d)]

FUG014 197 Incinerator Wastewater Fugitive Emissions

- 213 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Class III TAPs emitted only; must meet ambient air standards; No MACT requirements apply. [LAC 33:III.5109.A]

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- 214 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]
- 215 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]
- 216 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited. [LAC 33:III.2901.D]
- 217 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G. [LAC 33:III.2901.F]
- 218 Carbon monoxide <= 46.74 tons/yr. [LAC 33:III.501.C.6]
- 219 Which Months: All Year Statistical Basis: Annual maximum Nitrogen oxides <= 27.86 tons/yr. [LAC 33:III.501.C.6]
- 220 Particulate matter (10 microns or less) <= 13.67 tons/yr. [LAC 33:III.501.C.6]
- 221 Which Months: All Year Statistical Basis: Annual maximum Sulfur dioxide <= 0.28 tons/yr. [LAC 33:III.501.C.6]
- 222 VOC, Total <= 21.60 tons/yr. [LAC 33:III.501.C.6]
- 223 Which Months: All Year Statistical Basis: Annual maximum Acrolein <= 0.020 tons/yr. [LAC 33:III.501.C.6]
- 224 Acrylic acid < 0.001 tons/yr. [LAC 33:III.501.C.6]
- 225 Which Months: All Year Statistical Basis: Annual maximum Acrylonitrile < 0.001 tons/yr. [LAC 33:III.501.C.6]
- 226 Allyl chloride <= 2.875 tons/yr. [LAC 33:III.501.C.6]
- 227 Antimony (and compounds) <= 0.048 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum

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- 228 Arsenic (and compounds) <= 0.021 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 229 Barium (and compounds) <= 0.338 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 230 Benzene <= 0.013 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 231 Beryllium (Table 51.1) <= 0.032 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 232 Bromoform <= 0.04 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 233 1,3-Butadiene < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 234 n-butyl alcohol <= 0.081 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 235 Cadmium (and compounds) <= 0.016 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 236 Carbon disulfide < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 237 Carbon tetrachloride <= 0.008 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 238 Chlorine <= 16.028 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 239 Chlorobenzene <= 0.016 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 240 Chloroform <= 0.024 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 241 Chromium VI (and compounds) <= 0.016 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 242 Cobalt compounds < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 243 Copper (and compounds) <= 0.024 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 244 Cresol <= 0.099 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 245 1,3-Dichloropropene <= 3.325 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 246 1,4-Dioxane < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 247 Chlorinated dibenzo-p-dioxins < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

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- 248 Chlorinated dibenzofurans < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 249 Epichlorohydrin <= 0.411 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 250 Ethyl benzene <= 0.013 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 251 Chlooroethane <= 0.086 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 252 1,2-Dichloroethane <= 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 253 Ethylene glycol <= 0.068 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 254 Formaldehyde <= 0.032 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 255 Glycol ethers (Table 51.1) <= 0.022 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 256 n-Hexane <= 0.012 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 257 Hydrochloric acid <= 32.240 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 258 Hydrogen cyanide < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 259 Hydroquinone < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 260 Lead compounds <= 0.029 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 261 Manganese (and compounds) <= 0.077 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 262 Mercury (and compounds) <= 0.052 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 263 Methanol < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 264 Methyl chloride <= 0.006 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 265 Methyl ethyl ketone <= 0.061 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 266 Methyl isobutyl ketone <= 0.046 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 267 Dichloromethane <= 0.022 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

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- 268 Nickel (and compounds) <= 0.065 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
269 Phenol <= 0.099 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
270 1,2-Dichloropropane <= 2.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
271 Selenium (and compounds) <= 0.005 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
272 Styrene <= 0.003 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
273 Tetrachloroethylene <= 0.002 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
274 Toluene <= 0.261 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
275 Triethyl amine < 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
276 Xylene (mixed isomers) <= 0.040 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
277 Zinc (and compounds) <= 0.101 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
278 4,4'-Methylenebisbenzenamine <= 0.105 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
279 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]
- 280 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]
- 281 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]
- 282 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A. [LAC 33:III.5105.A.4]
- 283 Submit Annual Emissions Report (TERI): Due annually, by the 1st of July, to the Office of Environmental Assessment, Air Quality Assessment Division, in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. [LAC 33:III.5107.A.2]
- 284 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]
- 285 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]

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- 286 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:III.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3933. [LAC 33:III.5107.B.2]
- 287 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services, SPOC, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:III.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:III.3923. [LAC 33:III.5107.B.3]
- 288 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii. [LAC 33:III.5107.B.4]
- 289 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]
- 290 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]
- 291 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2. [LAC 33:III.5109.B.]
- 292 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department. [LAC 33:III.5109.C]
- 293 Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:III.1701, before commencement of the construction of any new source. [LAC 33:III.5111.A.1]
- 294 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]
- 295 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A]
- 296 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 297 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 298 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 299 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 300 Provide emission testing facilities as specified in LAC 33:III.5113.B.4 through e. [LAC 33:III.5113.B.4]
- 301 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 302 Submit certified letter: Due to the Office of Environmental Assessment, Air Quality Assessment Division, before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]

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- 303 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 304 Submit notification: Due to the Office of Environmental Assessment, Air Quality Assessment Division, at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 305 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 306 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 307 Submit performance evaluation report: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 60 days of the monitoring system performance evaluation. [LAC 33:III.5113.C.2]
- 308 Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.5113.C.2]
- 309 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]
- 310 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]
- 311 Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]
- 312 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]
- 313 Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS. [LAC 33:III.5113.C.5.e]
- 314 Submit plan: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.5113.C.5]
- 315 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]
- 316 Submit initial emissions inventory report: Due to the Department of Environmental Quality on or before October 1, 1994. Submit on a form or in an electronic format specified by the department and include the information specified in LAC 33:III.5307.A.1 through 7. [LAC 33:III.5307.A]
- 317 Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]
- 318 Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]
- 319 Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]
- 320 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611. Tables 5, 6, and 7. [LAC 33:III.5609.A]
- 321 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]

SPECIFIC REQUIREMENTS

AI ID: 87883 - Hexion Specialty Chemicals Inc

Activity Number: PER20020001

Permit Number: 2252-V1

Air - Title V Regular Permit Renewal

GRP015 Hazardous Waste Incinerators

- 322 Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur. [LAC 33:III.5907]
- 323 Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III. Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division. [LAC 33:III.5911.A]
- 324 Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division, within 60 days after the information in the submitted registration is no longer accurate. [LAC 33:III.5911.C]
- 325 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]
- 326 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]
- 327 Benzene < 1 Mg/yr (1.1 ton/yr) total quantity. Subpart FF. [40 CFR 61.342(d)(2)(i)]
- Which Month(s): All Year Statistical Basis: None specified
- 328 Submit report: Due within 90 days after January 7, 1993. Submit a report that summarizes the regulatory status of each waste stream subject to 40 CFR 61.342 and is determined by the procedures specified in 40 CFR 61.355(c) to contain benzene. Include the information specified in 40 CFR 61.357(a)(1) through (a)(4). If there is no benzene onsite in wastes, products, by-products, or intermediates, submit an initial report that is a statement to this effect. Subpart FF. [40 CFR 61.357(a)]
- 329 Submit report: Due by initial startup. Submit a report that summarizes the regulatory status of each waste stream subject to 40 CFR 61.342 and is determined by the procedures specified in 40 CFR 61.355(c) to contain benzene. Include the information specified in 40 CFR 61.357(a)(1) through (a)(4). If there is no benzene onsite in wastes, products, by-products, or intermediates, submit an initial report that is a statement to this effect. Subpart FF. [40 CFR 61.357(a)]
- 330 Submit report: Due whenever there is a change in the process generating the waste stream that could cause the total annual benzene quantity from facility waste to increase to 1 Mg/yr (1.1 ton/yr) or more. Submit updates to the information listed in 40 CFR 61.357(a)(1) through (a)(3). Subpart FF. [40 CFR 61.357(b)]
- 331 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]
- 332 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table 3 of 40 CFR 63 Subpart F and Table 1 of 40 CFR 63 Subpart EEE. [40 CFR 63]
- 333 Equipment/operational data recordkeeping by electronic or hard copy continuously. Document that the nearest public receptor is beyond the distance to a toxic or flammable endpoint defined in 68.22. [40 CFR 68.12(b)(1)]
- 334 Complete the five-year accident history for the process as provided in 68.42. [40 CFR 68.12(b)(2)]
- 335 Ensure that response actions have been coordinated with local emergency planning and response agencies. [40 CFR 68.12(b)(3)]
- 336 Include in the RMP the certification specified in 68.12(b)(4). [40 CFR 68.12(b)(4)]
- 337 Submit Risk Management Plan (RMP): Due no later than June 21, 1999, or three years after the date on which a regulated substance is first listed under 68.130, or the date on which a regulated substance is first present above a threshold quantity in a process. Submit in a method and format to a central point as specified by EPA prior to June 21, 1999. [40 CFR 68.150]
- 338 Provide in the RMP an executive summary that includes a brief description of the elements listed in 68.155(a) through (g). [40 CFR 68.155]
- 339 Complete a single registration form and include in the RMP. Cover all regulated substances handled in covered processes. Include in the registration the information specified in 68.160(b)(1) through (13). [40 CFR 68.160]
- 340 Submit in the RMP information one worst-case release scenario for each Program 1 process. Include the data specified in 68.165(b)(1) through (13). [40 CFR 68.165]

SPECIFIC REQUIREMENTS

AI ID: 87883 - Hexion Specialty Chemicals Inc

Activity Number: PER20020001

Permit Number: 2252-V1

Air - Title V Regular Permit Renewal

GRP015 Hazardous Waste Incinerators

- 341 Submit in the RMP the information provided in 68.42(b) on each accident covered by 68.42(a). [40 CFR 68.168]
- 342 Provide in the RMP the emergency response information listed in 68.180(a) through (c). [40 CFR 68.180]
- 343 Submit revised registration to EPA: Due within six months after a stationary source is no longer subject to 40 CFR 68. Indicate that the stationary source is no longer covered. [40 CFR 68.190(c)]
- 344 Review and update the RMP as specified in 68.190(b) and submit it in a method and format to a central point specified by EPA prior to June 21, 1999. [40 CFR 68.190]
- 345 Maintain records supporting the implementation of 40 CFR 68 for five years unless otherwise provided. [40 CFR 68.200]
- 346 Use the endpoints specified in 68.22(a) through (g) for analyses of offsite consequences. [40 CFR 68.22]
- 347 Analyze the release scenarios in 68.25, as specified in 68.25(a) through (h). [40 CFR 68.25]
- 348 Identify and analyze at least one alternative release scenario for each regulated toxic substance held in a covered process(es) and at least one alternative release scenario to represent all flammable substances held in covered processes, as specified in 68.28(b) through (e). [40 CFR 68.28]
- 349 Estimate in the RMP the population within a circle with its center at the point of the release and a radius determined by the distance to the endpoint defined in 68.22(a). [40 CFR 68.30]
- 350 List in the RMP environmental receptors within a circle with its center at the point of the release and a radius determined by the distance to the endpoint defined in 68.22(a). [40 CFR 68.33]
- 351 Submit revised RMP: Due within six months after changes in processes, quantities stored or handled, or any other aspect of the stationary source increase or decrease the distance to the endpoint by a factor of two or more. [40 CFR 68.36(b)]
- 352 Review and update the offsite consequence analyses at least once every five years. Complete a revised analysis within six months if changes in processes, quantities stored or handled, or any other aspect of the stationary source might reasonably be expected to increase or decrease the distance to the endpoint by a factor of two or more. [40 CFR 68.36]
- 353 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain the records specified in 68.39(a) through (e) on the offsite consequence analyses. [40 CFR 68.39]
- 354 Include in the five-year accident history all accidental releases from covered processes that resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property damage, or environmental damage. Include the information specified in 68.42(b)(1) through (10) for each accidental release. [40 CFR 68.42]
- 355 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 356 Submit Title V monitoring results report: Due semiannually, by March 31 and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(ii)(A)]
- 357 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 30, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(ii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(ii)(B)]
- 358 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
APPENDIX A
PART 70 SPECIFIC CONDITIONS

HAZARDOUS WASTE INCINERATORS
AGENCY INTEREST NO.: 87883
HEXION SPECIALTY CHEMICALS INC.
NORCO, ST. CHARLES PARISH, LOUISIANA

1. Permittee shall comply with a streamlined equipment leaks monitoring program. Compliance with the streamlined program in accordance with this specific condition shall serve to comply with each of the fugitive emission monitoring programs being streamlined, as indicated in the following table. Noncompliance with the streamlined program in accordance with this specific condition may subject the permittee to enforcement action for one or more of the fugitive emissions program being streamlined.
 - a. Permittee shall apply the streamlined program to the combined universe of components subject to any of the programs being streamlined. Any component type which does not require periodic monitoring under the overall most stringent program (SOCMI HON MACT) shall be monitored as required by the most stringent requirements of any other program being streamlined and will not be exempted. The streamlined program will include any exemptions based on size of component available in any of the programs being streamlined.
 - b. Permittee shall use leak definitions and monitoring frequency based on the overall most stringent program. Percent leaker performance shall be calculated using the provisions of the overall most stringent program. Annual monitoring shall be defined as once every four quarters.
 - c. Permittee shall comply with recordkeeping and reporting requirements of the overall most stringent program. Semiannual reports shall be submitted on July 31 and January 31, to cover the periods January 1 through June 30 and July 1 through December 31, respectively. The semiannual reports shall include any monitoring performed within the reporting period.

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HAZARDOUS WASTE INCINERATORS
AGENCY INTEREST NO.: 87883
HEXION SPECIALTY CHEMICALS INC.
NORCO, ST. CHARLES PARISH, LOUISIANA

Unit or Plant Site	Programs Being Streamlined	Stream Applicability	Overall Most Stringent Program
Hazardous Waste Incinerators	40 CFR 63, Subpart H, SOCMI HON MACT 40 CFR 61, Subpart V NESHAP for Equipment Leaks 40 CFR 60, Subpart VV NSPS for Equipment Leaks LAC 33:III.2121, Louisiana Fugitive Emission Control	$\geq 5\%$ organic HAP $\geq 10\%$ VHAP $\geq 10\%$ VOC $\geq 10\%$ VOC	40 CFR 63 Subpart H SOCMI HON MACT

2. The Hazardous Waste Incinerator NCIN-1 (Organic Chloride), Emission Point No. 173, and Hazardous Waste Incinerator NCIN-2 (Organic Chloride), Emission Point No. 174, are regulated under the National Emission Standards for Hazardous Air Pollutants (NESHAP) from Hazardous Waste Combustors (40 CFR 63 Subpart EEE). The standards required by this rule are based on maximum achievable control technology (MACT). Compliance with the MACT performance standards and emission limits of this Subpart is determined by conducting Comprehensive Performance Tests (CPTs) as required by 40 CFR 63.1207. Performance tests are also done to determine feed rate limits, operating parameter limits, and to demonstrate the performance of the continuous monitoring system as required by 40 CFR 63.1209.

The permittee shall conduct all performance testing at the frequencies specified in 40 CFR 63.1207(d). Within 90 days of completion of the CPT, the permittee shall postmark and submit to the LDEQ, a Notification of Compliance (NOC) documenting compliance with the emission standards and continuous monitoring system requirements, and identifying operating parameter limits under 40 CFR 63.1209 [40 CFR 63.1207(j)].

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HAZARDOUS WASTE INCINERATORS
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HEXION SPECIALTY CHEMICALS INC.
NORCO, ST. CHARLES PARISH, LOUISIANA

The Hazardous Waste Incinerator NCIN-1 (Organic Chloride), Emission Point No. 173 (EQT 146), and Hazardous Waste Incinerator NCIN-2 (Organic Chloride), Emission Point No. 174 (EQT 147), shall operate within the operating parameters and limits established by the most recent CPT. The established operating parameters and limits from the most recent CPT are included in the most recent NOC which is currently dated July 21, 2004, with revised information dated December 20, 2004 and June 26, 2006. In accordance with 40 CFR 63.1206(c)(1), the operating requirements from the NOC , as well as alternative or additional requirements specified under 40 CFR 63.1209(g), are incorporated in the Title V Permit. See Tables 1 and 2 listing the operating parameter limits for Incinerators NCIN-1 and NCIN-2, Emission Point Nos. 173 and 174, respectively. The next CPT must commence no later than 61 months after the date of commencement of the previous CPT, per 40 CFR 63.1207(d)(1). Upon completion of the next CPT and along with the issuance of the corresponding NOC, the permittee shall submit to the LDEQ a permit modification application to modify the current permit with the most current operating parameters and limits from the most recent NOC.

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HAZARDOUS WASTE INCINERATORS
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NORCO, ST. CHARLES PARISH, LOUISIANA

Table 1 - NCIN-1 Operating Parameter Limits

Operational Parameter	Permitted Limit	Averaging Period ⁽¹⁾	AWFCO
Maximum Liquid Waste Feed Rate (lb/hr)	8,343	HRA	Y
Maximum Total Chloride feed rate (lb/hr)	4,904	12-HRA	Y
Maximum Ash Feed Rate (lb/hr)	3.2	12-HRA	Y
Maximum Mercury Feed Rate ($\mu\text{g/dscm}$)	130 ^(2,3)	12-HRA	Y
Maximum total semivolatile metals (SVM) feed rate (g/hr)	21	12-HRA	Y
Maximum total low volatile metals (LVM) feed rate (g/hr)	32	12-HRA	Y
Minimum Combustion Temperature (°F)	1,718	HRA	Y
Minimum Caustic Scrubber Recycle Flow (gpm) (minimum L/G)	550	HRA	Y
Minimum Caustic Scrubber Recycle pH	9.2	HRA	Y
Maximum Caustic Scrubber Recycle Conductivity ($\mu\text{S/cm}$)	20,664	12-HRA	Y
Minimum CATOX inlet gas temperature (°F)	330	HRA	Y
Maximum Stack Gas Flow (mscfm)	17.19	HRA	Y
Maximum Combustion Chamber Pressure (inwc - gauge)	0.0 ⁽³⁾	1-sec	Y
Maximum Stack Gas CO (ppmv, dry @7%O ₂)	100	HRA	Y
Minimum Waste Atomization Steam Pressure (psig)	25	NA	N ⁽⁴⁾
Minimum Caustic Scrubber Recycle Pressure (psig)	13	HRA	Y
Maximum Waste Viscosity (cP)	30	NA	N ⁽⁴⁾
Maximum CATOX catalyst in-use time (years)	Maintenance and Testing ⁽⁵⁾	NA	N ⁽⁴⁾
CATOX catalyst replacement specification	CRI Grade S-090 or equivalent	NA	N ⁽⁴⁾
Maximum CATOX inlet gas temperature (°F)	700	HRA	Y
Maximum CATOX catalyst differential pressure (psi)	0.55 ⁽⁶⁾	HRA	Y

(1) HRA is hourly rolling average; 12-HRA is 12 hour rolling average (defined in LAC 33:V.Chapter 30).

(2) Corrected to 7% oxygen.

(3) Units have been changed from the NOC.

(4) These parameter limits need not be integrated into the AWFCO system; however, hazardous waste can not be fed to the unit when any parameter falls outside of the regulated limits.

(5) Hexion will continue to complete maintenance activities necessary to meet differential pressure limits and will continue to conduct Dioxin and Furan Emissions Tests at 15, 30, and 60 months after the initial CPT. After such period, Hexion will complete Dioxin and Furan (D/F) Emission tests as prescribed in 40 CFR 1207(d). After each D/F emission test, Hexion shall evaluate the emissions data and propose a projected catalyst replacement date. The proposed catalyst replacement date must be included with the Notification of Compliance are subject to approval by the Administrator.

(6) Manufacturer specified OPL added to permit to ensure proper operation.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
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Table 2 - NCIN-2 Operating Parameter Limits

Operational Parameter	Permitted Limit	Averaging Period ⁽¹⁾	AWFCO
Maximum Liquid Waste Feed Rate (lb/hr)	7,229	HRA	Y
Maximum Total Chloride feed rate (lb/hr)	4,990	12-HRA	Y
Maximum Ash Feed Rate (lb/hr)	3.0	12-HRA	Y
Maximum Mercury Feed Rate ($\mu\text{g}/\text{dscm}$)	130 ^(2,3)	12-HRA	Y
Maximum total semivolatile metals (SVM) feed rate (g/hr)	19	12-HRA	Y
Maximum total low volatile metals (LVM) feed rate (g/hr)	38	12-HRA	Y
Minimum Combustion Temperature (°F)	1,718	HRA	Y
Minimum Caustic Scrubber Recycle Flow (gpm) (minimum L/G)	403 per scrubber	HRA	Y
Minimum Caustic Scrubber Recycle pH	8.22	HRA	Y
Maximum Caustic Scrubber Recycle Conductivity ($\mu\text{S}/\text{cm}$)	19,908	12-HRA	Y
Minimum CATOX inlet gas temperature (°F)	330	HRA	Y
Maximum Stack Gas Flow (mscfm)	14.56	HRA	Y
Maximum Combustion Chamber Pressure (inwc - gauge)	0.0 ⁽³⁾	1-sec	Y
Maximum Stack Gas CO (ppmv, dry @7%O ₂)	100	HRA	Y
Minimum Waste Atomization Steam Pressure (psig)	25	NA	N ⁽⁴⁾
Minimum Caustic Scrubber Recycle Pressure (psig)	54	HRA	Y
Maximum Waste Viscosity (cP)	30	NA	N ⁽⁴⁾
Maximum CATOX catalyst in-use time (years)	Maintenance and Testing ⁽⁵⁾	NA	N ⁽⁴⁾
CATOX catalyst replacement specification	CRI Grade S-090 or equivalent	NA	N ⁽⁴⁾
Maximum CATOX inlet gas temperature (°F)	700	HRA	Y
Maximum CATOX catalyst differential pressure (psi)	0.55 ⁽⁶⁾	HRA	Y

(1) HRA is hourly rolling average; 12-HRA is 12 hour rolling average (defined in LAC 33:V.Chapter 30).

(2) Corrected to 7% oxygen.

(3) Units have been changed from the NOC.

(4) These parameter limits need not be integrated into the AWFCO system; however, hazardous waste can not be fed to the unit when any parameter falls outside of the regulated limits.

(5) Hexion will continue to complete maintenance activities necessary to meet differential pressure limits and will continue to conduct Dioxin and Furan Emissions Tests at 15, 30, and 60 months after the initial CPT. After such period, Hexion will complete Dioxin and Furan (D/F) Emission tests as prescribed in 40 CFR 1207(d). After each D/F emission test, Hexion shall evaluate the emissions data and propose a projected catalyst replacement date. The proposed catalyst replacement date must be included with the Notification of Compliance are subject to approval by the Administrator.

(6) Manufacturer specified OPL added to permit to ensure proper operation.

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]

40 CFR PART 70 GENERAL CONDITIONS

- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

40 CFR PART 70 GENERAL CONDITIONS

- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 5. changes in emissions would not qualify as a significant modification; and
 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]

40 CFR PART 70 GENERAL CONDITIONS

- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]

40 CFR PART 70 GENERAL CONDITIONS

- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated March 15, 1999. Resolution Performance Products LLC submitted a notice dated April 4, 2002, changing the March 15, 1999, application to a Part 70 renewal. Resolution Performance Products submitted an updated application dated September 20, 2004, as well as additional information dated September 13, 2006, and October 5, 2006.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
2. Report by September 30 to cover April through June
3. Report by December 31 to cover July through September
4. Report by March 31 to cover October through December

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.